Revenue and Expenditure Budgets

Year Ending December 31, 1991

Greater Vancouver Districts

Greater Vancouver Regional District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Finance Department

Accounting: 432-6273 • Secretary Treasurer's Office: 432-6250 • Treasury: 432-6252

91-06781/

TO: BOARD OF DIRECTORS

FROM: FINANCE & GOVERNMENT RELATIONS COMMITTEE (FGRC)

RE: 1991 FINAL BUDGETS

DATE: MARCH 20, 1991

Purpose

To present the consolidated 1991 Budgets for the Greater Vancouver Districts and report on the process followed.

Background

In reviewing the 1991 Provisional Budget the following procedure was followed:

1. Function Committees reviewed the provisional budget, considered staff recommendations for changes and forwarded approved amended budgets to the Finance and Government Relations Committee for overall review.
2. The F.G.R.C. approved a revised format for reviewing changes to the base budget including new programs, increases in existing programs, etc., as shown on the attached schedules.
3. Budget summaries of changes to the Provisional Budget were prepared by staff using the new format.
4. These budget summaries were referred to the function committees by the F.G.R.C. with a request that they determine the order of priorities with respect to the new programs etc., excluding those programs that have been classified as being mandated by senior governments.
5. Budget summaries as amended, prioritized and approved by function committees were reviewed by the F.G.R.C. and program budget reductions totalling $798,003 were approved and recommended to the respective District Boards.

The attached consolidated summaries and schedules reflect the changes from the 1991 Provisional Budgets and, together with the 1991 Provisional Budget document, constitute the Final 1991 Budgets for the Greater Vancouver Districts. The Committee determined the changes to be recommended at its March 20th meeting and there was not time to prepare the final budget document in its usual form in time for the Board meeting. The Municipal Act requires that the final budget be adopted by March 31st.

Member Municipalities

The members' tax requisitions for the Regional and Hospital Districts together with the Sewerage and Drainage District levy, all based on assessments, are up $7,789,514 over 1990 to $103,571,448 an increase of 8.1%. This is equivalent to a taxation increase of approximately 4.1% when the effect of new development is considered.

The total amount to be raised from water sales is up 8.4% before including the transfer of expenses from the Watershed Management Program. Water consumption is projected to increase 4.7% of which 1.6% is accounted for by the Township of Langley which came on line midway through 1990. The 1991 Water rate of 5.50 cents per cubic metre is up 13.4% over the 1990 rate of 4.85 cents.

The Solid Waste Disposal tipping fee of $69.00 per tonne was set in November and no changes are recommended.

The impact of the Regional and Hospital District tax levies on a homeowner with an assessed value of $200,000 is as follows:

Regional District	$22.72
Hospital District	$51.53

Committee Recommendation

Separate reports have been made to each District Board containing the Committee's recommendations.

GREATER VANCOUVER DISTRICTS
1991 BUDGET

EXHIBIT A

SUMMARY OF TAX REQUISITIONS AND USER CHARGES
CHANGES TO 1991 PROVISIONAL BUDGET

	1991 PROV BUDGET	CHANGES (FAVOURABLE) UNFAVOURABLE			1991 FINAL BUDGET	1990 FINAL BUDGET	% INCR/ (DECR)
		EXPENDITURES	SURPLUS FORWARD	REVENUE			
TAX SUPPORTED FUNCTIONS							
REGIONAL DISTRICT							
General Government	$1,758,890	($46,419)	($216,380)		$1,496,091	$1,822,542	-17.9%
Air Quality Control	2,134,170	(247,600)	35,098	72,000	1,993,668	1,461,448	36.4%
Hospital Planning	773,020		(5,654)		767,366	584,172	31.4%
Labour Relations	1,940,911		(12,420)		1,928,491	1,862,194	3.6%
Regional Parks	8,220,466	(498,100)			7,722,366	6,992,411	10.4%
Development Services	2,001,698	(258,358)	(38,443)	(20,000)	1,684,897	1,473,023	14.4%
E-9-1-1 Emergency Telephone	2,939,457	239,940	243,025		3,422,422	2,607,154	31.3%
Regional Functions	19,768,612	(810,537)	5,226	52,000	19,015,301	16,802,944	13.2%
Electoral Areas	641,516	55,753	32,498	(5,240)	724,527	595,392	21.7%
Total Regional District	20,410,128	(754,784)	37,724	46,760	19,739,828	17,398,336	13.5%
SEWERAGE & DRAINAGE DISTRICT							
Sewerage & Drainage	43,759,703	(1,610,407)	(507,052)		41,642,244	39,593,879	5.2%
Recycling & Research	1,815,235	(311,697)	107,353		1,610,891	876,798	83.7%
Total Sewerage & Drainage	45,574,938	(1,922,104)	(399,699)		43,253,135	40,470,677	6.9%
HOSPITAL DISTRICT	42,317,927	(1,708,002)	(31,440)		40,578,485	37,912,921	7.0%
TOTAL TAX SUPPORTED FUNCTIONS	108,302,993	(4,384,890)	(393,415)	46,760	103,571,448	95,781,934	8.1%
USER CHARGE FUNCTIONS							
WATER DISTRICT							
Water system	21,502,837	(1,264,812)	292,115		20,530,140	18,942,232	8.4%
Transfer from Watershed Mgmt	1,069,687	985,745			2,055,432		
Total Water District	22,572,524	(279,067)	292,115		22,585,572	18,942,232	19.2%
SOLID WASTE OPERATIONS	49,504,859	(318,507)	318,507		49,504,859	36,671,160	35.0%
TOTAL USER CHARGE FUNCTIONS	72,077,383	(597,574)	610,622		72,090,431	55,613,392	29.6%
TOTAL	$180,380,376	($4,982,464)	$217,207	$46,760	$175,661,879	$151,395,326	16.0%

EXHIBIT B

GREATER VANCOUVER DISTRICTS
1991 FINAL BUDGET

SUMMARY OF TOTAL EXPENDITURES

	SCH	FINAL BUDGET OPERATING EXPENDITURES (Exhibit C)	DEBT CHARGES		TOTAL EXPENDITURES	1990 FINAL BUDGET	% INCR/ (DECR)
			PROVISIONAL BUDGET	CHANGES			
TAX SUPPORTED FUNCTIONS							
REGIONAL DISTRICT							
General Government	1	$2,473,475			$2,473,475	$2,494,060	-0.8%
Air Quality Control	2	3,985,900			3,985,900	2,751,600	44.9%
Hospital Planning	3	919,183			919,183	621,728	47.8%
Labour Relations	4	2,135,046			2,135,046	1,974,269	8.1%
Regional Parks	5	6,697,414	1,444,200	(132,800)	8,008,814	7,245,499	10.5%
Development Services	6	1,918,942			1,918,942	1,715,402	11.9%
E-9-1-1 Emergency Telephone	7	3,235,501	237,491	(40,329)	3,432,663	2,639,822	30.0%
Regional Functions		21,365,461	1,681,691	(173,129)	22,874,023	19,442,380	17.7%
Electoral Areas	8	574,300	216,390	16,929	807,619	651,911	23.9%
Total Regional District		21,939,761	1,898,081	(156,200)	23,681,642	20,094,291	17.9%
SEWERAGE & DRAINAGE DISTRICT							
Sewerage & Drainage	9	20,267,514	23,398,495	(1,438,707)	42,227,302	40,093,357	5.3%
Recycling & Research	10	1,421,609		15,859	1,437,468	665,045	116.1%
Total Sewerage & Drainage		21,689,123	23,398,495	(1,422,848)	43,664,770	40,758,402	7.1%
HOSPITAL DISTRICT	11		91,122,568	(3,675,792)	87,446,776	79,337,671	10.2%
TOTAL TAX SUPPORTED FUNCTIONS		43,628,884	116,419,144	(5,254,840)	154,793,188	140,190,364	10.4%
USER CHARGE FUNCTIONS							
WATER DISTRICT							
Water system	12	9,977,477	12,703,207	(1,332,812)	21,347,872	19,760,725	8.0%
Transfer from Watershed Mgmt	12	2,055,432			2,055,432		
Total Water District		12,032,909	12,703,207	(1,332,812)	23,403,304	19,760,725	18.4%
SOLID WASTE OPERATIONS		34,469,785	13,782,135	(318,507)	47,933,413	37,710,267	27.1%
TOTAL USER CHARGE FUNCTIONS		46,502,694	26,485,342	(1,651,319)	71,336,717	57,470,992	24.1%
TOTAL		$90,131,578	$142,904,486	($6,906,159)	$226,129,905	$197,661,356	14.4%

EXHIBIT C

GREATER VANCOUVER DISTRICTS
1991 FINAL BUDGET

SUMMARY OF OPERATING EXPENDITURES

(EXCLUDES DEBT CHARGES)

	SCH	1991 PROV BUDGET	ADJUSTMENTS TO EXPENDITURES	1991 FINAL BUDGET	1990 FINAL BUDGET	% INCR/ (DECR)
TAX SUPPORTED FUNCTIONS						
REGIONAL DISTRICT						
General Government	1	$2,519,894	($46,419)	$2,473,475	$2,494,060	-0.8%
Air Quality Control	2	4,233,500	(247,600)	3,985,900	2,751,600	44.9%
Hospital Planning	3	919,183		919,183	621,728	47.8%
Labour Relations	4	2,135,046		2,135,046	1,974,269	8.1%
Regional Parks	5	7,062,714	(365,300)	6,697,414	5,946,199	12.6%
Development Services	6	2,177,300	(258,358)	1,918,942	1,715,402	11.9%
E-9-1-1 Emergency Telephone	7	2,955,232	280,269	3,235,501	2,447,372	32.2%
Regional Function		22,002,869	(637,408)	21,365,461	17,950,630	19.0%
Electoral Areas	8	535,476	38,824	574,300	436,330	31.6%
Total Regional District		22,538,345	(598,584)	21,939,761	18,386,960	19.3%
SEWERAGE & DRAINAGE DISTRICT						
Sewerage & Drainage	9	20,439,214	(171,700)	20,267,514	17,835,102	13.6%
Recycling & Research	10	1,749,165	(327,556)	1,421,609	665,045	113.8%
Total Sewerage & Drainage		22,188,379	(499,256)	21,689,123	18,500,147	17.2%
TOTAL TAX SUPPORTED FUNCTIONS		44,726,724	(1,097,840)	43,628,884	36,887,107	18.3%
USER CHARGE FUNCTIONS						
WATER DISTRICT						
Water system	12	9,909,477	68,000	9,977,477	9,185,219	8.6%
Transfer from Watershed Mgmt	12	1,069,687	985,745	2,055,432		
Total Water District		10,979,164	1,053,745	12,032,909	9,185,219	31.0%
SOLID WASTE OPERATIONS		34,469,785		34,469,785	27,603,273	24.9%
TOTAL USER CHARGE FUNCTIONS		45,448,949	1,053,745	46,502,694	36,788,492	26.4%
TOTAL		$90,175,673	($44,095)	$90,131,578	$73,675,599	22.3%

B.E. MARR
COMMISSIONER

Greater Vancouver Water District

ESTABLISHED 1924

4330 KINGSWAY
BURNABY, B.C.
CANADA V5H 4G8
PHONE (604) 432-6200
FAX (604) 432-6251

TO: ADMINISTRATION BOARD

FROM: FINANCE & GOVERNMENT RELATIONS COMMITTEE

RE: 1991 FINAL BUDGET

DATE: MARCH 20, 1991

Purpose

To report on the Committees Review of the 1991 G.V.W.D. Budget.

Background

Attached are schedules showing the changes from the 1991 Provisional Budget. Major changes are a decrease in debt charges due to declining interest rates and the following additional costs transferred from the Watershed Management Program resulting in a net reduction of $279,067 in the amount to be raised from the sale of water.

Property taxes	$ 350,000
Watershed protection	250,000
Clearing creeks	273,500
Seymour Demonstration Forest	190,000
	$1,063,500

The budget as approved by the Water Committee was reviewed and recommended by the Finance & Government Relations Committee.

Member Municipalities

The water rate at 5.50 cents per cubic metre, as indicated in the 1991 provisional budget, is up 13.4% from the 1990 rate of 4.85 cents.

Intergovernment

This budget is exempt from the Provincial guidelines limiting real property taxes.

Committee Recommendation

1. That the Administration Board adopt the G.V.W.D. 1991 Budget as amended and presented to the meeting.

2. That the 1991 water rate charged to members be set at 5.50 cents per cubic metre as recommended by the Commissioner.

GREATER VANCOUVER WATER DISTRICT

SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		9,185,219		9,185,219	
Less Special non-recurring programs		(484,549)		(484,549)	
1990 Base Budget		8,700,670		8,700,670	100.0%
Add Adjustments to Base					
Radio License Fees		32,000		32,000	
B.C. Hydro Water fees		76,200		76,200	
Reservoir Cleaning		16,710		16,710	
Annualization of prior year charges		134,700		134,700	
CASA allocation		6,068		6,068	
General Admin allocation		15,432		15,432	
Administrative office allocation		23,400		23,400	
Property Div charges		61,570		61,570	
Office Building rental allocation		6,618		6,618	
inflation & GST on Base		472,777		472,777	
Adjusted Base		9,546,145		9,546,145	109.7%
Reduction in existing programs					
Municipal Water Quality Programs		(170,170)		(170,170)	
Mandated by other governments and agencies					
Confined space entry equipment required by WCB		39,000		39,000	
Subtotal		9,414,975		9,414,975	108.2%
Staff previously charged to capital now charged to Admin	A	64,194		64,194	
1 Special non-recurring programs (list attached)	D	177,120		177,120	
2 Additional O&M staff	A	105,338	68,000	173,338	
3 Single phase motor protection	C	17,850		17,850	
3 Public information program	C	50,000		50,000	
3 Right-of-way acquisition	C	80,000		80,000	
		494,502	68,000	562,502	
Total Operating Budget		9,909,477	68,000	9,977,477	114.7%
Debt Charges		12,703,207	(1,332,812)	11,370,395	
TOTAL 1991 BUDGET		**$22,612,684**	**($1,264,812)**	**$21,347,872**	
Total 1990 Budget		19,760,725		19,760,725	
% Increase		14.4%		8.0%	
TOTAL 1991 BUDGET (As Above)		**$22,612,684**	**($1,264,812)**	**$21,347,872**	
Add: Transfer from Watershed Management Program		1,069,687	985,745	2,055,432	
ADJUSTED 1991 BUDGET		**$23,682,371**	**($279,067)**	**$23,403,304**	
Total 1990 Budget		19,760,725		19,760,725	
% Increase		19.8%		18.4%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

GREATER VANCOUVER WATER DISTRICT

1991 Special Non-Recurring Programs

Operation & Maintenance

Replace obsolete welding machines	$20,000
Mains connection - Coquitlam to Port Moody	20,000
Greenwood Reservoir roof repairs	10,000
Capilano maintenance office modification	5,000
Little Mountain Reservoir overflow modification	10,000
Sasamat Reservoir vortex baffle	5,000
Newton Works Yard improvements	28,000
Seymour Water Tanks replacement	15,000
Coquitlam Lake work boat	25,000
Seymour Intake electrical panel	7,140
Beach pressure control proving	14,130
Cape Horn Pump Station control improvements	17,850
	$177,120

GREATER VANCOUVER WATER DISTRICT

CAPITAL EXPENDITURES FOR 1991	PROJECT STATUS	CAPITAL COST	1991 DEBT COST	ANNUALISED DEBT COST
Mandated by Senior Government				
Dam Stability Studies and Remedial Works	A($3.455M)	$8,175,000	$257,000	$1,104,000
Required to Maintain Existing Levels of Service				
Previously approved projects	A	4,446,000	126,000	600,000
New Projects				
Water Main Design and Installation				
Coquitlam Main #3				
Stage IV and V	A($3.8M)	4,550,000	272,000	614,000
Haney Main #3 Stage 2	N/A	560,000	5,000	76,000
Vancouver Link Main	A($0.55M)	3,600,000	103,000	486,000
Westburnco Main Stage 2	A	1,197,000	83,000	162,000
Minor System Improvements	A	700,000	32,000	95,000
		10,607,000	495,000	1,433,000
Requirements to Attain Board Policies				
Predesign-Water Quality Facilities	A	2,550,000	94,000	172,000
Water Supply Studies	A	400,000	16,000	54,000
		2,950,000	110,000	226,000
Other				
Reservoir Structural Studies	A	250,000	13,000	34,000
Hydro Power Studies	A	115,000	5,000	16,000
Control Room Relocation	N/A	50,000	0	7,000
		415,000	18,000	57,000
TOTALS		$26,593,000	$1,006,000	$3,420,000

PROJECT STATUS:

A	Approved and in progress
( )	Bracketed amount indicates approval limit no brackets signifies full approval
N/A	Not approved

GREATER VANCOUVER WATER DISTRICT

Provisional Revenue and Expenditure Budget

Year Ending December 31, 1991

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GREATER VANCOUVER WATER DISTRICT

Long-Term and Ongoing Role

The water supply function involves the acquiring and supplying of potable water in bulk for the use of the inhabitants of the District for all purposes at equitable rates and includes supply to some adjacent areas outside the District. Membership in the Water District by municipalities is voluntary, however, there is no opting out of the District once a member has joined. The District functions in accordance with the provisions of the Greater Vancouver Water District Act (1924). Water is supplied from the three uninhabited watersheds that are closed to the public and located in the mountains north of the populated metropolitan area. The surface supply, which has its origin as rainfall and snowmelt, is of very high quality.

The Capilano, Seymour and Coquitlam systems serving respectively the western, central and eastern sectors of the Greater Vancouver area consist of dams, pipelines, pumping stations and reservoirs and are integrated systems designed to provide a reliable and safe supply of water to the area. The water system has been developed in accordance with a long-term master plan for the growth of the region. This program has been integrated with the municipal water systems through a number of major studies that have been carried out cooperatively with the members. A five year capital program for new waterworks facilities with a breakdown of costs for each year is provided for the members. The facilities are not automatically constructed in the order set out in the program but rather the system is reviewed yearly following the peak summer flow to identify the most cost effective improvements that will enable the system to keep abreast of the growth in the water demand. This style of program serves to delay major capital improvements for as long as possible to achieve maximum economy for the members as reflected in the annual rate charged for water.

The summer of 1990 with its early snowmelt and unprecedented levels of water demand in July and August severely strained the District's supply system. Storage reserves at Capilano and Seymour Lakes reached record low levels, resulting in an appeal to all members and the general public for voluntary reduction in outside water usage. By late September, a combination of demand reduction and significant rainfall had alleviated the concerns. It is worth noting that while Seymour and Capilano Lakes suffered serious depletion of storage, Coquitlam Lake with its much larger volume and smaller service area was not seriously affected. The District's Westerly Transfer scheme, consisting principally of enlarged water mains and pumping stations designed to move Coquitlam water west to more effectively augment the Capilano and Seymour supplies, will help reduce concerns of water shortages in the fall season once the facilities are completed, which could occur by 1995.

Over the fall and winter period, efforts will be focussed on establishing a formal Water Supply Reduction Plan for dealing with a situation similar to the 1990 drought condition should such an event occur in the future.

The addition of Langley Township and the City of Langley as members of the GVWD in 1990, plus the District's taking on of responsibility for bulk supply of water to South Delta and South Surrey will mean added challenges in the peak usage period of 1991.

1991 Short-Term Objectives

The programs to be undertaken in 1991 will place continued emphasis on improvements to the system capacity, reliability, and water quality. The capital programs which are comprised of construction projects as well as planning studies are estimated to collectively cost approximately $22 million. This figure is higher than the usual level of annual capital works, reflecting the heightened emphasis on both the Water Quality Improvement Program, which is expected to move from the conceptual planning stage to pre-design of the required facilities, and the continuation of preparation of Operating and Maintenance manuals for the District's two major dams: Cleveland and Seymour Falls. In 1991, the latter program will concentrate on detailed design and commencement of remedial works including structural upgrades necessary to bring the two dams into compliance with current design standards.

The principal capital funded projects for 1991 are as follows:

- Design and commencement of remedial works at Cleveland and Seymour Falls Dams.
- Pre-design of major water quality improvement facilities, the next step in this multi-million dollar program.
- Completion of construction of Coquitlam Main No. 3 - Stage IV and the design of Stage V, together comprising some 13,200 feet of 72-inch and 60-inch diameter main.
- Design of 10,000 feet of 48-inch diameter water main for Stage II of Haney Main No. 3, the cost of which is to be shared with the GVWD by Langley City.
- Implementation of improvements at Vancouver Heights Pumping Station to result in almost doubling the capacity of this 30-year old facility in time for the peak demands of 1992.
- Design and commencement of construction of 12,500 feet of 54-inch diameter water main for the Vancouver Link Main - Stage I (formerly referred to as the 45th Avenue Main No. 2) to improve east-west transmission capacity within the City and address concerns over the reliability of some of the older mains presently in service.
- Design and installation of 5,200 feet of 42-inch diameter water main for Westburnco Main - Stage II, with costs to be shared by the District of Burnaby in accordance with an earlier agreement.
- Detailed design and implementation of much of the new computerized supervisory control and data acquisition (SCADA) system, including equipping the new control room at the Lake City Operations Centre.
- The relocation of most functions of the Water Operations Division to the new combined Operations Centre in Burnaby, which is expected to be completed by the Spring.
- Completion of the Comprehensive Regional Water Supply Study to review the Region's future water requirements and develop a long range capital program aimed at meeting those needs.

Ongoing Operations and Maintenance activities form a substantial part of the annual budget. Major areas of emphasis in the 1991 program include the following:

- Increase in Operations and Maintenance staff levels and related equipment to take on the added requirements resulting from the takeover of facilities that provide bulk water supply to South Surrey and South Delta, as well as the new works serving Langley Township.
- Replacement of deteriorated and obsolete electrical and mechanical equipment at numerous locations to improve system reliability.

- Continuation of the reservoir cleaning program that will result in each reservoir being cleaned once every two years.

The water quality improvement investigations have culminated in a report recommending a three phase program of improvements that could be implemented to improve the level of compliance with the Drinking Water Guidelines. Because of the large expenditures involved these costs are to be reviewed as part of the pre-design work which is expected to be completed by late 1991. At that time a decision is expected to be made on the level of treatment implementation.

The Boundary Health Unit Medical Health Officer has asked that the secondary disinfection pilot plant in Surrey continue to be operated in 1991 in order to maintain the improvement to the bacteriological quality of the water in the test areas that has been achieved during 1989 with this Research and Development project.

Beginning in 1991 it is intended that the annual cost of watershed security, which is an integral component of the District's multiple barrier source protection strategy, be transferred from the Watershed Management program to the general Water District operating budget for inclusion into the overall water rate. Funds to manage the watershed land base will continue to be provided by the self-funded Watershed Management Program.

A reorganization of the Engineering Department in mid-1990 resulted in the reassignment of the Quality Control Division to the Water District to reflect the increased focus on drinking water quality issues. This restructuring does not impact on the budget.

Review of 1990 Objectives

Capital works undertaken in 1990 included completion of almost all of the works comprising Phase I of the Langley-Surrey Supply Scheme. This major program encompassed the installation of a submerged pipeline crossing of the Fraser River as well as over fifteen miles of water main ranging in size from 54-inch diameter to 27-inch diameter. A three million gallon reservoir was also constructed in South Surrey. Together, the new facilities will provide GVWD water to Langley Township and enhance the supply capability to both South Surrey and the City of Langley.

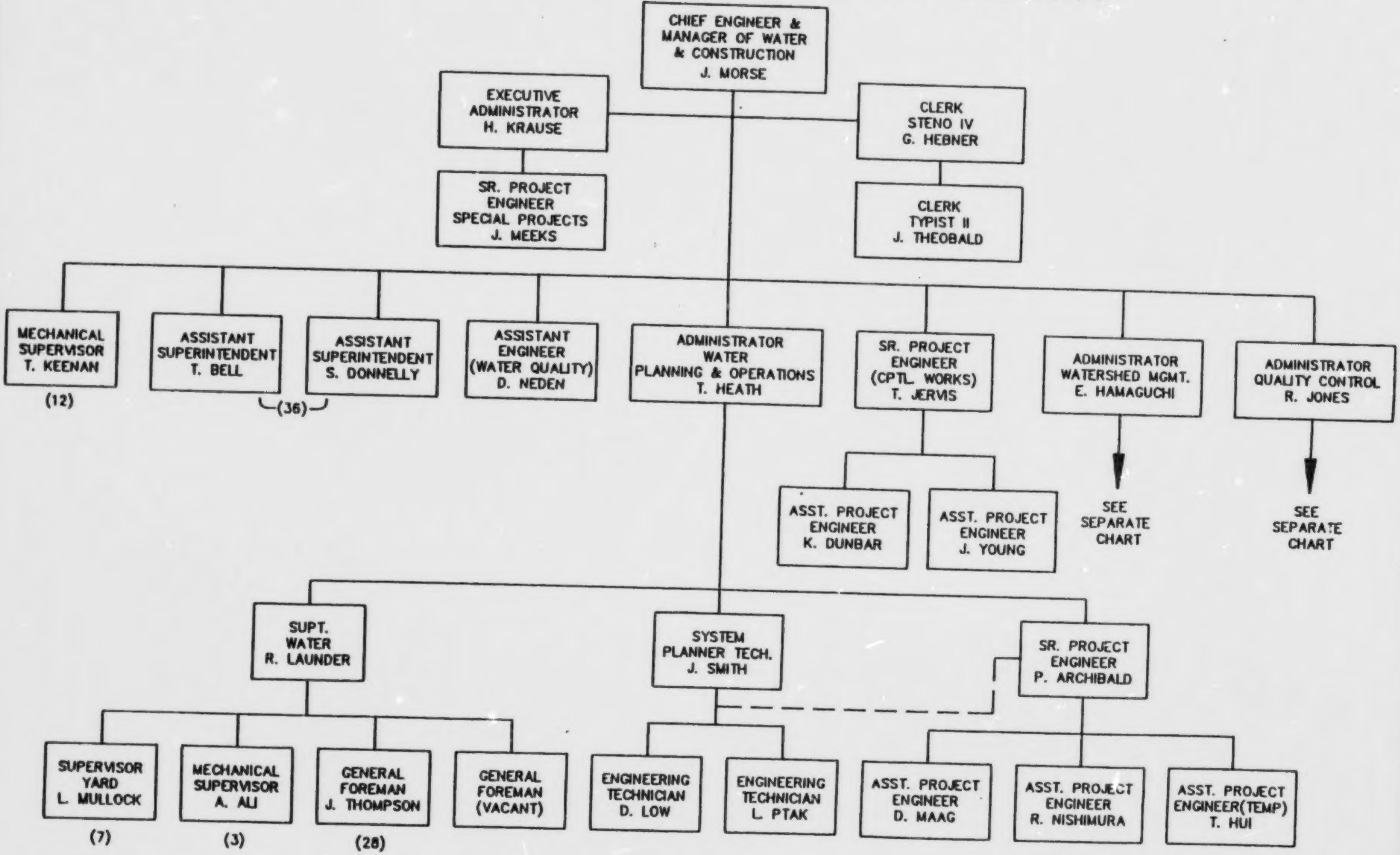
The Phase II report on investigations into the stability of Cleveland and Seymour Falls dams was received from the consultants. Based on the findings of Phase II, that remedial works will be necessary at both dams to bring them into compliance with current design standards, design and commencement of the necessary improvements is expected to take place in 1991.

Work on the Regional Comprehensive Water Supply Study continued with the emphasis on demand prediction and network analysis. The feasibility of universal metering as a means of water conservation was also investigated.

The regional water quality improvement program continued the operation of a secondary disinfection and pH adjustment pilot plant in Surrey to evaluate the effectiveness of alternative disinfectants. A corrosion pilot plant was operated at the Seymour intake to monitor corrosion control strategies. The results of this multi-year research and development program on drinking water quality improvements were summarized in a report to the Board.

Many of the minor improvements included in the 1990 budget as extraordinary items were completed in time for the summer peak demand period providing improved system control and reliability. The goal of the 1990 programs of providing increased capacity to reliably supply high quality water to the region's inhabitants was met and this thrust will continue with the programs included in the 1991 budget.

GREATER VANCOUVER WATER DISTRICT


CHIEF ENGINEER & MANAGER OF WATER & CONSTRUCTION J. MORSE
EXECUTIVE ADMINISTRATOR H. KRAUSE
SR. PROJECT ENGINEER SPECIAL PROJECTS J. MEEKS
CLERK STENO IV G. HEBNER
CLERK TYPIST II J. THEOBALD
MECHANICAL SUPERVISOR T. KEENAN
(12)
ASSISTANT SUPERINTENDENT T. BELL
ASSISTANT SUPERINTENDENT S. DONNELLY
(36)
ASSISTANT ENGINEER (WATER QUALITY) D. NEDEN
ADMINISTRATOR WATER PLANNING & OPERATIONS T. HEATH
SR. PROJECT ENGINEER (CPTL. WORKS) T. JERVIS
ADMINISTRATOR WATERSHED MGMT. E. HAMAGUCHI
ADMINISTRATOR QUALITY CONTROL R. JONES
ASST. PROJECT ENGINEER K. DUNBAR
ASST. PROJECT ENGINEER J. YOUNG
SEE SEPARATE CHART
SEE SEPARATE CHART
SUPT. WATER R. LAUNDER
SYSTEM PLANNER TECH. J. SMITH
SR. PROJECT ENGINEER P. ARCHIBALD
SUPERVISOR YARD L. MULLOCK
(7)
MECHANICAL SUPERVISOR A. ALI
(3)
GENERAL FOREMAN J. THOMPSON
(28)
GENERAL FOREMAN (VACANT)
ENGINEERING TECHNICIAN D. LOW
ENGINEERING TECHNICIAN L. PTAK
ASST. PROJECT ENGINEER D. MAAG
ASST. PROJECT ENGINEER R. NISHIMURA
ASST. PROJECT ENGINEER(TEMP) T. HUI

STAFFING LEVEL	Approved	Actual
Eng. & Operations		
Dec. 31, 1990	69	64
1991 Changes Budgetted	3	
Dec. 31, 1991	72	
Construction & Mechanical	51 (Varies)	
Watershed Mgmt.	See Separate Chart	

NOTE:
( ) = STAFF SUPERVISED
DATE: NOVEMBER 6, 1990

WA–1280

Exhibit 'A'

GREATER VANCOUVER WATER DISTRICT

Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Expenditures					
Operation & Maintenance of water system (Sch. 4 & 5)	$ 7,607,074	$ 7,165,831	$ 8,154,485	$ 8,222,485	8.2
Administrative & general expense (Sch. 6)	628,447	721,196	975,464	975,464	55.2
Research & Development (Sch. 7)	949,698	651,859	779,528	779,528	-17.9
Watershed security (Sch. 8)[1]			1,069,687	2,055,432	
	9,185,219	8,538,886	10,979,164	12,032,909	31.0
Net Debt Charges (Sch. 1)	10,575,506	10,781,845	12,703,207	11,370,395	7.5
Total Expenditure	$19,760,725	$19,320,731	$23,682,371	$23,403,304	19.8
Revenue					
Income deferred from previous year	$ 791,893	$ 791,893	$ 1,067,347	$ 775,232	-2.1
Miscellaneous income	26,600	50,357	42,500	42,500	59.8
Total Revenue	$ 818,493	$ 842,250	$ 1,109,847	$ 817,732	-0.1
Net amount to be raised from the sale of water	$18,942,232	$18,478,481	$22,572,524	$22,585,572	19.2
Metered Sale of Water (Sch. 9)					
Member municipalities	$18,012,287	$18,311,564	$21,539,399	$22,042,585	22.4
Non-members	929,945	942,149	1,033,125	542,987	-41.6
Total	$18,942,232	$19,253,713	$22,572,524	$22,585,572	19.2
Net income deferred to following year		$ 775,232			

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[1] In 1990, the Watershed Security Program was part of Watershed Management and did not affect the amount to be raised from the sale of water.

GREATER VANCOUVER WATER DISTRICT

Debt Charges
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Debenture debt charges (Schedule 2)	$ 4,461,511	$ 4,461,512	$ 3,466,936	$ 3,466,936
Proposed Debenture Issues				
New Issue	956,130		3,446,602	4,726,800
Refinancing Temporary Debentures	787,594	642,000	2,318,577	2,513,886
	1,743,724	642,000	5,765,179	7,240,686
Principal Repayment		1,154,000	640,000	287,000
Interest on Short Term Borrowing	8,973,211	8,309,186	6,312,902	3,700,600
Exchange on U.S. funds, net of amounts recoverable	297,100	218,663	257,700	257,700
Sundry Financial Charges(income)	25,500	22,934	25,500	25,500
Gross Debt Charges	15,501,046	14,808,295	16,468,217	14,978,422
Less				
Recoverable under agreements with member municipalities (Schedule 3)	2,773,552	2,002,727	1,364,929	1,365,706
Net Debt Charges	12,727,494	12,805,568	15,103.288	13,612,716
Principal & Interest charges to:				
- office building operations	1,816,481	1,834,003	1,920,581	1,819,821
- Lake City Operations Centre				
- Other Districts re: Lake City Operations Centre	335,507	189,720	479,500	422,500
	2,151,988	2,023,723	2,400,081	2,242,321
Net Charge to Revenue	$10,575,506	$10,781,845	$12,703,207	$11,370,395

Schedule 2

GREATER VANCOUVER WATER DISTRICT

Debenture Debt Charges
Year Ending December 31, 1991

SINKING FUND DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
53	189	9.0	Aug. 15, 1991	$ 291,014	$1,114,520	$ 1,405,534

SERIAL DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
34	137	5.25	Dec. 1, 1991-2005	10,806	12,371	23,177
35	138	5.25	Dec. 1, 1991-2005	11,064	12,667	23,731
46 (1)	168	9.75	Mar. 1, 1991-1996	575,000	318,856	893,856
47 (1)	169	8.625	Jun. 22, 1991-1997	210,000	135,347	345,347
48	172	9.625	Jan. 1, 1991-1998	7,975	7,424	15,399
49	174	10.0	Jan. 1, 1991-1999	20,299	24,011	44,310
50	173	10.25	Jul. 2, 1991-1999	312,542	403,040	715,582
				1,147,686	913,716	2,061,402
Total Debenture Debt Charges				$1,438,700	$2,028,236	$3,466,936

Note (1) Debentures payable in United States Dollars.

Schedule 3

GREATER VANCOUVER WATER DISTRICT

Debt Charges Recoverable Under Agreements with Member Municipalities Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
District of Burnaby				
Financing Agreement-Aug. 3/64	$ 20,600	$ 20,761	$	
North Burnaby Main-Section 2	2,525	2,545		
South Burnaby Main (1)	150,333	150,333	159,451	150,719
	173,458	173,639	159,451	150,719
District of Coquitlam				
Port Moody Main No. 2	20,368	20,368	20,006	20,006
Corporation of Delta				
Richmond-Delta Enlarged Facilities (1)	531,090	554,892	511,255	478,255
64th Avenue Main (1)	25,768	25,768	27,330	25,834
	556,858	580,660	538,585	504,089
District of Langley				
Haney Main #3 (2)	86,452		27,254	1,509
Barnston Island (2)	386,390		301,457	10,919
192nd St. Main (2)	104,633		30,062	
36th Ave. Main (2)	36,019		9,950	
	613,494		368,723	12,428
District of Maple Ridge				
Haney Main No. 2 extension	5,950	5,950	5,843	5,843
Enlarged Facilities Agreement of February 8, 1979 (1)	53,081	59,885	47,773	40,600
Maple Ridge Reservoir (1)	109,137	109,138	115,759	109,401
	168,168	174,973	169,375	155,844
Carried Forward	1,532,346	1,318,363	887,417	843,086

Note (1) Assumes refinancing of issues #51, #52 and #53;

(2) The 1990 Final Budget assumed these projects would be financed. In fact they were paid for direct by the municipalities concerned.

GREATER VANCOUVER WATER DISTRICT

Debt Charges Recoverable Under Agreements with Member Municipalities
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Brought Forward	1,532,346	1,318,363	887,417	843,086
City of Port Moody				
Port Moody Main No. 2 & Reservoir	5,980	5,980	5,873	5,873
Township of Richmond				
Richmond-Delta Enlarged Facilities (1)	192,783	201,886	185,611	173,611
District of Surrey				
Kennedy Heights Main & Reservoir (1)	26,591	30,216	23,932	20,300
192nd St. Main	196,904	55,347		
Whalley-Clayton-Langley Main	223,099	223,099	211,916	211,916
Whalley-Clayton Main #2 (1)	55,755	66,924	50,180	42,700
Grandview Main & Pump Station	540,094	100,912		68,220
	1,042,443	476,498	286,028	343,136
Total	$2,773,552	$2,002,727	$1,364,929	$1,365,706

Schedule 4

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
By Object of Expenditure
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$3,515,147	$3,035,625	$3,748,541	$3,802,041
Vehicles & equipment rentals	489,800	591,104	544,261	544,261
Consultants	55,000	81,817	15,459	15,459
Materials & supplies	842,822	897,688	826,959	826,959
Other services	109,287	69,004	133,897	133,897
Gasoline, fuel & lubricants	75,340	82,609	79,858	79,858
Purchased repairs & maintenance	94,825	87,125	92,486	92,486
Chlorine	239,461	234,223	253,829	253,829
Electricity	791,393	541,884	821,567	821,567
Natural gas	14,544	6,063	15,416	15,416
Telephone	73,559	84,407	86,144	86,144
Land taxes & rentals	489,714	490,122	519,097	519,097
Insurance	93,400	92,381	94,700	94,700
Water rentals to Crown	520,450	527,489	596,600	596,600
Provision for equipment replacement	84,100	98,529	84,100	84,100
Indirect departmental costs	787,147	817,916	972,655	987,155
	8,275,989	7,737,986	8,885,569	8,953,569
Less: Recoveries	668,915	572,155	731,084	731,084
	$7,607,074	$7,165,831	$8,154,485	$8,222,485

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
By Program
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Impounding Reservoirs & Source of Supply					
Impounding reservoirs		$ 17,032	$ 20,129	$ 22,493	$ 22,493
Capilano Intake		222,216	310,134	242,525	242,525
Seymour Falls Intake		320,239	276,900	307,868	375,868
Fish conservation		1,593	725	1,715	1,715
Piezometer readings		67,433	75,100	20,705	20,705
	5(b)	628,513	682,988	595,306	663,306
Supply Mains & Distribution Reservoirs					
West District		568,884	539,275	630,491	630,491
Capilano District		313,498	259,426	336,131	336,130
Seymour District		241,114	256,268	280,975	280,976
Coquitlam District		380,896	389,155	398,841	398,842
Westburnco District		343,757	561,546	322,376	322,376
South District		225,770	121,773	371,561	371,561
Reservoir Cleaning		35,000	34,222	62,560	62,560
	5(c)	2,108,919	2,161,665	2,402,935	2,402,936
Pumping Stations					
Vancouver Heights		429,469	334,053	413,438	413,438
Kersland		120,165	93,615	127,598	127,598
Sasamat		79,518	65,280	89,946	89,946
Little Mountain		105,333	35,979	93,983	93,983
Central Park		231,479	137,979	225,121	225,121
Cape Horn		200,192	215,553	213,211	213,211
Maple Ridge		108,460	62,558	55,391	55,391
Westburnco		102,025	160,982	102,127	102,127
Burnaby Mountain		164,868	211,989	178,786	178,786
Newton Pumping Station		68,661	308	72,970	72,968
Grandview Pumping Station		37,535		40,477	40,477
	5(d)	1,647,705	1,318,296	1,613,048	1,613,046
Chlorination	5(e)	604,716	515,148	649,977	649,976
Quality Monitoring	5(f)	802,845	742,201	862,250	862,250
		1,407,561	1,257,349	1,512,227	1,512,226
General					
Beach yard control system		259,733	318,427	286,178	286,178
Beach yard computerization		73,675	8,912	43,800	43,800
Radio communications		80,127	56,430	89,468	89,468
Meter reading & maintenance		134,849	117,210	146,415	146,415
Yard general maintenance		17,712	22,669	57,900	57,900
Property taxes		477,600	479,116	506,256	506,256
Insurance		92,100	91,180	94,300	94,300
Water rentals to Crown		520,400	527,489	596,600	596,600
Corrosion Survey Prevention		20,000	11,439	21,359	21,359
Technical Services		138,180	112,661	188,695	188,695
		1,814,376	1,745,533	2,030,971	2,030,971
Total		$7,607,074	$7,165,831	$8,154,485	$8,222,485

Schedule 5(b)

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
Impounding Reservoirs & Source of Supply
Year Ending December 31, 1991

Purpose/Level of Activity

The activities associated with operating the watershed lakes and the dam intakes in Capilano, Seymour and Coquitlam are collectively included in this category. The mountain reservoirs, Loch Lomond, Palisade and Burwell Lakes which form the reserve supplies to the main reservoirs are part of this category. Routine maintenance and repair of the intakes and dams structures and lake screening form the major areas of operation.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$282,640	$305,633	$303,742	$357,242
Vehicles & equipment rentals	49,809	89,819	42,773	42,773
Consultants	45,000	57,950		
Materials & supplies	111,585	91,453	92,656	92,656
Other services	6,117	6,841	6,485	6,485
Gasoline, fuel & lubricants	13,084	15,187	13,869	13,869
Purchased repairs & maintenance	11,861	10,967	12,572	12,572
Electricity	28,076	13,269	29,761	29,761
Natural gas	1,853	432	1,964	1,964
Telephone	3,625	3,528	3,638	3,638
Land Taxes & Rentals				
Insurance	1,100	631		
Water Rentals to Crown				
Provision for equipment replacement	5,000	3,826	5,000	5,000
Indirect departmental costs	73,463	91,852	87,546	102,046
	633,213	691,388	600,006	668,006
Less: Recoveries	4,700	9,100	4,700	4,700
	$628,513	$682,988	$595,306	$663,306

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
Supply Mains & Distribution Reservoirs
Year Ending December 31, 1991

Purpose/Level of Activity

This category contains the largest single sector of expenditure of the budget as would be expected to operate the 19 balancing reservoirs and approximately 500 kilometers of distribution mains spread throughout the Regional District. Water from the mountain reservoirs is distributed through these facilities at numerous metered locations to the District members. The balancing reservoirs in the system are utilized to supplement the demand during peak periods and are refilled during the low demand period of the day.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$1,109,309	$ 976,879	$1,272,264	$1,272,264
Vehicles & equipment rentals	243,285	287,979	275,747	275,747
Consultants	5,000	4,270		
Materials & supplies	309,519	375,239	310,780	310,780
Other services	35,790	33,771	18,362	18,362
Gasoline, fuel & lubricants	8,591	23,103	9,106	9,106
Purchased repairs & maintenance	10,997	25,774	29,068	29,068
Electricity	44,976	40,667	52,398	52,398
Natural gas	2,022	446	2,143	2,143
Telephone	32,567	34,718	36,531	36,531
Land taxes & rentals	12,006	11,005	12,726	12,726
Insurance				
Water Rentals to Crown				
Provision for equipment replacement	4,900	4,997	4,900	4,900
Indirect departmental costs	302,226	354,990	391,179	391,179
	2,121,188	2,173,838	2,415,204	2,415,204
Less: Recoveries	12,269	12,173	12,269	12,269
	$2,108,919	$2,161,665	$2,402,935	$2,402,935

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
Pumping Stations
Year Ending December 31, 1991

Purpose/Level of Activity

The topography of the Regional District and the elevation of the source waters permits much of the system to be operated by gravity flow. The elevation of some areas and the seasonal flows however require pumping to supplement the demand which is met by a series of 13 pumping stations. These stations are located adjacent to the system balancing reservoirs which provide the water pumped during peak periods.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 453,177	$ 356,305	$ 470,589	$ 470,589
Vehicles & equipment rentals	63,568	63,524	66,806	66,806
Consultants		12,496		
Materials & supplies	209,847	224,402	139,070	139,070
Other services	26,351	6,218	17,332	17,332
Gasoline, fuel & lubricants	45,192	43,937	47,903	47,903
Purchased repairs & maintenance	60,949	42,253	39,166	39,166
Electricity	703,740	475,566	723,932	723,932
Telephone	22,768	22,850	23,428	23,428
Water Rentals to Crown				
Provision for equipment replacement	8,500	6,446	8,500	8,500
Indirect departmental costs	85,782	84,671	114,362	114,360
	1,679,874	1,338,668	1,651,088	1,651,086
Less: Recoveries	32,169	20,372	38,040	38,040
	$1,647,705	$1,318,296	$1,613,048	$1,613,046

GREATER VANCOUVER WATER DISTRICT

Operations and Maintenance
Chlorination
Year Ending December 31, 1991

Purpose/Level of Activity

The closed watershed policy of the Greater Vancouver Water District which limits access to authorized persons, enables the District to limit its water treatment at this time to screening and mild chlorination only. Chlorination levels were increased in 1986 as a first step to address the problem of the water not meeting the drinking water standards of the Province at all times.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$215,161	$149,281	$237,145	$237,145
Vehicles & equipment rentals	36,491	36,577	39,948	39,948
Consultants				
Materials & supplies	47,322	37,579	37,700	37,700
Other services	1,741	5,471	1,845	1,845
Gasoline, fuel, lubricants & chlorine	242,325	234,334	256,865	256,865
Purchased repairs & maintenance	4,702	433	4,984	4,984
Electricity				
Natural Gas				
Telephone	918	541	929	929
Land Taxes & Rentals				
Insurance				
Water Rentals to Crown				
Provision for equipment replacement	100	377	100	100
Indirect departmental costs	55,956	50,555	70,461	70,460
	$604,716	$515,148	$649,977	$649,976

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Quality Control - Lab Operating
Year Ending December 31, 1991

Purpose

The purpose of this program is to provide microbiological and chemical monitoring of water at source, after treatment and in the distribution system. Results of the monitoring are used to determine the level of treatment required, the effectiveness of chlorination, the quality of water throughout the GVWD and municipal distribution systems, and need for mitigative actions such as flushing and cleaning.

Level of Activity

Water samples are collected from across the distribution system each working day and taken to the laboratory for bacteriological and chemical analyses. Approximately 27,000 bacteriological and 19,000 chemical and physical tests were carried out in 1990. Data is stored on a computerized database to facilitate report writing, graphical, and statistical analyses.

In addition to providing monitoring services, Quality Control staff provide technical advice to the District municipalities and health departments. Staff also play a major role in the chlorination and certification of new and repaired District facilities before they are placed in service.

In 1988, the Water Quality Improvement Program began three major initiatives to study the effects of various water treatment strategies on water quality in the District: primary disinfection, secondary disinfection and corrosion control. In 1990, Quality Control continued to provide technical assistance and laboratory resources to the project. Approximately 8,500 bacteriological analyses and approximately 4,000 chemical and physical tests were performed. Quality Control will continue to provide required support to the project in 1991.

The level of monitoring of source waters was increased in 1990, both to strengthen the ongoing program and to provide additional information to the Water Quality Improvement Program. A monitoring program for watershed streams was also put in place. In 1991, the program will continue and be modified as required to reflect the needs of Water Engineering and Watershed Management Programs.

Laboratory and field staff also carried out the monitoring associated with the Coquitlam Watershed portion of the Vancouver Island Natural Gas Pipeline Project. In excess of 6,000 chemical, physical, and bacteriological analyses were carried out in 1990. The monitoring program will be continued until the project has been completed.

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Quality Control - Lab Operating
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$378,917	$352,931	$400,520	$400,520
Vehicles & equipment rentals	22,764	30,229	37,204	37,204
Consultants		1,547		
Materials & supplies	38,682	31,779	49,642	49,642
Other services	23,804	7,934	23,172	23,172
Gas, fuel, lubricants & chlorine	218	66	230	230
Purchased repairs & maintenance		440		
Electricity				
Natural Gas				
Telephone		20		
Land Taxes & Rentals				
Insurance				
Water Rentals to Crown				
Provision for Equipment Replacement				
Indirect departmental costs	74,760	56,957	83,615	83,615
Other cost centres allocated	263,700	260,298	267,867	267,867
Less: Recoveries				
	$802,845	$742,201	$862,250	$862,250

GREATER VANCOUVER WATER DISTRICT

Administration and General Expense
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Administration				
Allocated from Greater Vancouver Regional District				
- Administration offices	$ 162,000	$ 175,405	$ 163,600	$ 163,600
- Central administrative services	50,285	47,800	56,353	56,353
- General administrative services	144,248	129,325	159,680	159,680
- Property Division charges	71,400	98,051	132,970	132,970
Engineering administration	159,212	223,584	284,196	284,196
	587,145	674,165	796,799	796,799
General				
Legal	10,400	7,895	11,355	11,355
Audit	14,500	14,271	16,100	16,100
Travel	1,123	568	1,190	1,190
Miscellaneous	5,279	4,055	3,049	3,049
Right-of-Way Acquisition		5,464	80,000	80,000
Public Information Program			50,000	50,000
Annual Report - Water District	10,000	14,778	16,971	16,971
	41,302	47,031	178,665	178,665
Total	$ 628,447	$ 721,196	$ 975,464	$ 975,464

GREATER VANCOUVER WATER DISTRICT

Research & Development
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
General Research & Dev.	$	$ 11,394	$	$
Municipal Water Quality Program (Schedule 7(a))	$ 949,698	$ 637,067	$ 779,528	779,528
Peak Summer Demand Survey		3,398		
	$ 949,698	$ 651,859	$ 779,528	$ 779,528

GREATER VANCOUVER WATER DISTRICT

Research and Development
Municipal Water Quality Program
Year Ending December 31, 1991

Purpose

The long term goal of this program is to improve water quality in the distribution system by changes in treatment. This will include the implementation of secondary disinfection, corrosion control, and changes to the current primary disinfection program.

Level of Activity

The majority of the investigations necessary to determine future water quality improvements were completed in 1990. The resulting Drinking Water Quality Improvement Plan was presented to the Administration Board in September 1990.

A corrosion control inhibitor study is continuing in 1991. This study is undertaken in cooperation with the University of British Columbia at our corrosion control pilot plant located at the Seymour Dam.

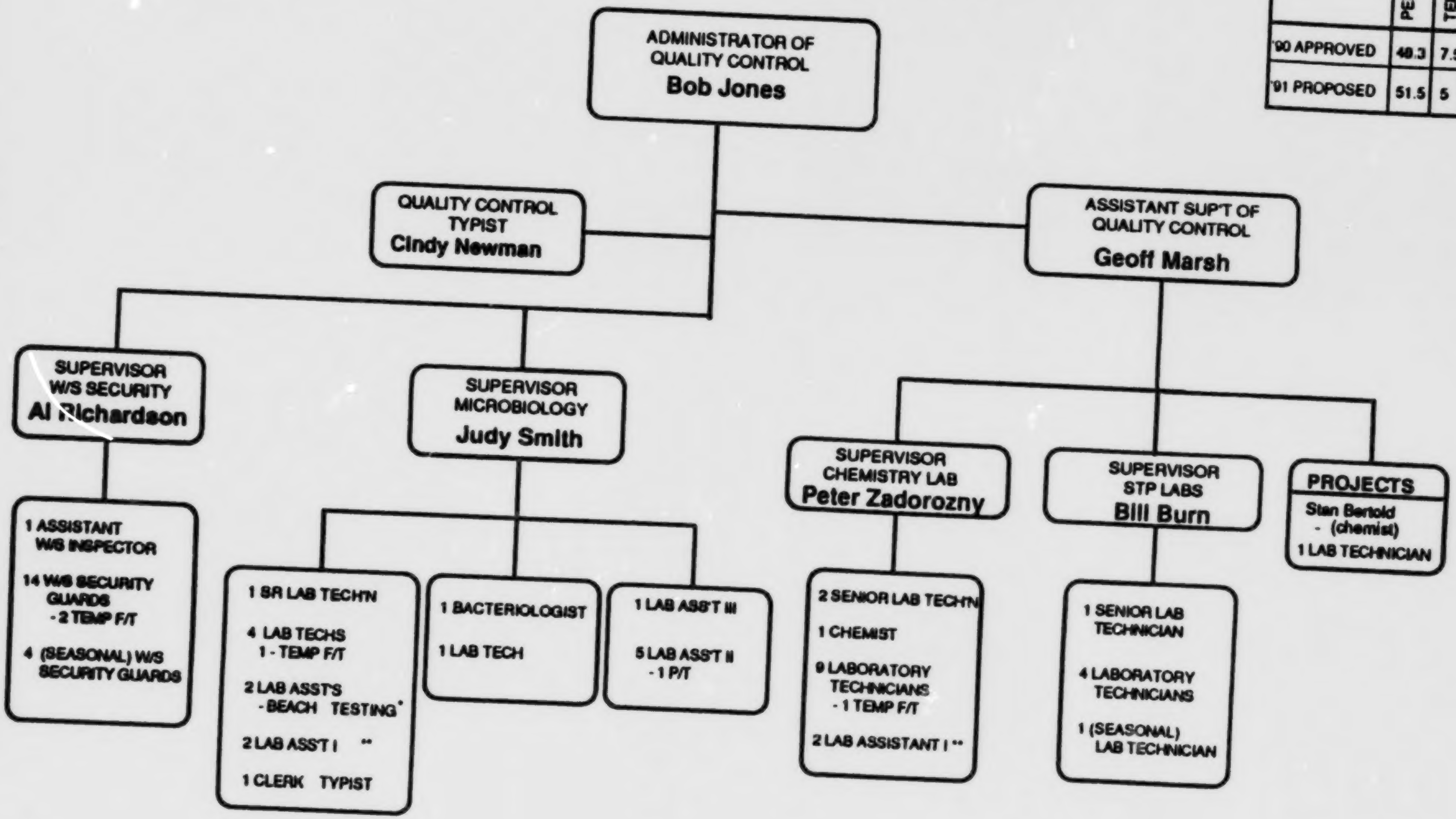
The Boundary Health Unit Medical Health Officer requires that the operation of the secondary disinfection pilot plant in Surrey be continued in 1991 and beyond until full scale secondary disinfection facilities are in place (1994 or 1995). This pilot plant has continued to be beneficial in reducing coliform bacteria in the distribution system to the standards set by the Canadian Drinking Water Guidelines to a major portion (60,000 residents) of Surrey. Operation of the plant will require continued use of District staff and laboratories during 1991 and funding for this purpose has been included in the budget.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 357,982	$ 238,594	$ 336,406	$ 336,406
Vehicles & equipment rentals	16,000	22,265	15,509	15,509
Consultants	150,000	97,505	21,732	21,732
Materials & supplies	180,000	132,667	196,684	196,684
Other services	140,960	29,772	58,237	58,237
Gasoline, fuel, lubricants & chlorine		10,128		
Indirect departmental costs	79,138	78,704	71,355	71,355
Other cost centres allocated	25,618	42,224	79,605	79,605
	$ 949,698	$ 651,859	$ 779,528	$ 779,528

ORGANIZATIONAL CHART
- QUALITY CONTROL -

DEPARTMENT TOTAL

	PERM. F/T	TEMP. F/T	SEASONAL
'90 APPROVED	48.3	7.5	2.4
'91 PROPOSED	51.5	5	3.2


ADMINISTRATOR OF QUALITY CONTROL
Bob Jones
QUALITY CONTROL TYPIST
Cindy Newman
ASSISTANT SUP'T OF QUALITY CONTROL
Geoff Marsh
SUPERVISOR W/S SECURITY
Al Richardson
1 ASSISTANT W/S INSPECTOR
14 W/S SECURITY GUARDS - 2 TEMP F/T
4 (SEASONAL) W/S SECURITY GUARDS
SUPERVISOR MICROBIOLOGY
Judy Smith
1 SR LAB TECH'N
4 LAB TECHS 1 - TEMP F/T
2 LAB ASST'S - BEACH TESTING*
2 LAB ASS'T I **
1 CLERK TYPIST
1 BACTERIOLOGIST
1 LAB TECH
1 LAB ASS'T III
5 LAB ASS'T II - 1 P/T
SUPERVISOR CHEMISTRY LAB
Peter Zadorozny
2 SENIOR LAB TECH'N
1 CHEMIST
9 LABORATORY TECHNICIANS - 1 TEMP F/T
2 LAB ASSISTANT I **
SUPERVISOR STP LABS
Bill Burn
1 SENIOR LAB TECHNICIAN
4 LABORATORY TECHNICIANS
1 (SEASONAL) LAB TECHNICIAN
PROJECTS
Stan Bertold - (chemist)
1 LAB TECHNICIAN

* SEASONAL
** SHARED
*** F/T EQUIVALENTS

OCTOBER 1990

GREATER VANCOUVER WATER DISTRICT

Watershed Security Program
Year Ending December 31, 1991

Purpose

The purpose of the Watershed Security Program is to protect the water supply and water catchment areas by controlling access, by apprehending trespassers and evicting them, and by assuring that the actions of those people working within the watersheds are consistent with District policy, and as such do not threaten the water supply.

Level of Activity

The Watershed Security section maintains a 24-hour guard at the following locations: Seymour Watershed, Capilano Watershed, Coquitlam Watershed, and at Rice Lake Barrier (Seymour Demonstration Forest). The section will continue to man the Rice Lake Guardhouse on behalf of the Seymour Demonstration Forest in 1991. In addition to manning the guardhouses, the Watershed Security section carries out vehicular and foot patrols throughout the watersheds, aimed at locating and removing trespassers. Additional patrols are added during the summer months to provide coverage between dawn and darkness.

The Watershed Security section is also responsible for maintaining sanitation facilities in the watersheds. This involves supplying each work site with a toilet which is serviced daily. The toilet is moved as the work moves to assure that the toilet remains in a convenient location for use. Toilet wastes are removed by the security staff for disposal outside of the watershed. The section also maintains surveillance on all work sites to ensure proper storage and handling of petroleum products and wastes to prevent contamination of the water supply. Watershed Security staff also monitor the condition of security facilities (such as fencing) in all three watersheds, expedites repairs, and recommends new facilities if required.

In addition to the duties performed by field staff, office staff carry out a screening and certification program to determine eligibility of people who must enter the watersheds for work purposes. As many as 1200 applications from employees and non-employees are processed in a year.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Watershed Security (schedule 8(a))			$1,069,687	$ 991,932
Property Taxes				350,000
Seymour Demonstration Forest				190,000
Clearing Creeks				273,500
Watershed Protection				250,000
Total			$1,069,687	$2,055,432

GREATER VANCOUVER WATER DISTRICT

Watershed Security Program
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & Employee Benefits	$683,457	$667,733	$ 802,600	$ 732,329
Vehicle & equipment rentals	80,536	87,946	84,965	84,965
Materials & supplies	21,196	19,430	22,314	22,314
Other services	18,785	18,659	7,832	7,832
Purchased repairs & maintenance	3,276	4,000	6,621	6,621
Natural gas & electricity	7,609	2,528	8,027	8,027
Telephone	2,625	3,325	3,824	3,824
Provision for equipment replacement	1,050	1,196	1,108	1,108
Indirect departmental costs allocated	123,400	94,006	134,506	127,022
	941,934	898,823	1,071,797	994,042
Less: Recoveries	2,000	3,149	2,110	2,110
	$939,934	$895,674	$1,069,687	$ 991,932

NOTE: In 1990 the Watershed Security Program was part of Watershed Management, and is included there.

Schedule 9

GREATER VANCOUVER WATER DISTRICT

Estimate of Water Sales
Year Ending December 31, 1991

Members	Consumption in Cubic Metres (1000's)		Rate Per Cubic Metre	Amount
	Daily	Annual		
Burnaby	113.15	41,299	0.0550	$2,271,445
Coquitlam (District)	42.79	15,620	0.0550	859,100
Delta	88.17	32,182	0.0550	1,770,010
Maple Ridge	23.82	8,695	0.0550	478,225
New Westminster	42.25	15,423	0.0550	848,265
North Vancouver City	25.42	9,279	0.0505	468,590
North Vancouver District	61.72	22,529	0.0550	1,239,095
Pitt Meadows	10.59	3,864	0.0550	212,520
Port Coquitlam	20.39	7,442	0.0550	409,310
Port Moody	17.38	6,344	0.0550	348,920
Provincial Institutions	1.79	655	0.0550	36,025
Richmond	94.88	34,631	0.0550	1,904,705
Surrey	121.04	44,179	0.0550	2,429,845
West Vancouver	25.28	9,229	0.0550	507,595
Vancouver	360.19	131,470	0.0550	7,230,872
Langley Township	24.67	9,003	0.0550	495,165
Langley City	10.62	3,875	0.1376	533,200
Member Municipalities Total	1084.16	395,719		22,042,887
Non-Members				
University Endowment Lands	19.87	7,252	0.0660	478,632
Capilano Hatchery	0.013	3	0.0660	198
Point Roberts	3.18	1,161	0.0550	63,855
Non-Members Total	23.06	8,416		542,685
Total estimated Consumption	1107.22	404,135		
Total amount to be raised from the sale of water				$22,585,572

WATERSHED MANAGEMENT

Long-Term and Ongoing Role

The prime objective of the G.V.W.D. Watershed Management Department is to manage the lands covered by the Amending Indenture for water supply purposes, both in terms of quality and quantity. All other objectives for the management of the area must be secondary, and complimentary to, the water supply objectives.

Current Short-Term Objectives

1. Continue the program of hydrological and water quality research through the U.B.C. Faculty of Forestry. This program was started in 1969 and will require an increasing portion of the budget each year to monitor the forestry activities.
2. Continue the Watershed Management Program which includes fire and watershed protection, timber harvesting, road construction and maintenance, slide and stream rehabilitation, and hydroseeding programs.
3. Continue the on-going basic silviculture program. Our objective is to establish a new forest through planting on harvested and naturally deforested areas within two years of the activity.
4. Continue the intensive silviculture program. Intensive silviculture involves tending new forest after they have become established and includes juvenile spacing, commercial and pre-commercial thinning, pruning, conifer release and group selection.
5. Continue the development and operation of the Seymour Demonstration Forest which was opened in August 1987.
6. Continuation of an aerial harvesting program using a Wyssen Skyline System.
7. Topographic re-mapping of all 3 watersheds by the end of 1991.
8. Watershed/forest database to be fully maintained in an in-house Geographic Information System by year-end 1991.
9. Continuation of a re-inventory of mature forests during 1991.
10. Completion of the Comprehensive Watershed Management Plan by early 1991.
11. Completion of an initial Forest Landscape Inventory by early 1991.

Capital Expenditure

The road construction program forms part of the continuing watershed and forest management objective of providing permanent road access throughout the watersheds. The road system in the watersheds provides access for harvesting, fire protection, and watershed maintenance.

The 1991 Capital Expenditure requirement for road, culvert and bridge construction is as follows:

WATERSHED	KM	TOTAL ROAD COST
Capilano	5.3	$ 330,000
Seymour	2.0	105,000
Coquitlam	4.0	315,000
TOTALS	11.3	$ 750,000

The projected capital expenditure for road construction in the watersheds for the next five years is as follows:

YEAR	CAPILANO	SEYMOUR	COQUITLAM	TOTAL
1992	50,000	50,000	850,000	$950,000
1993	800,000	120,000	50,000	$970,000
1994	240,000	650,000	80,000	$970,000
1995	100,000	600,000	200,000	$900,000
1996	600,000	100,000	200,000	$900,000

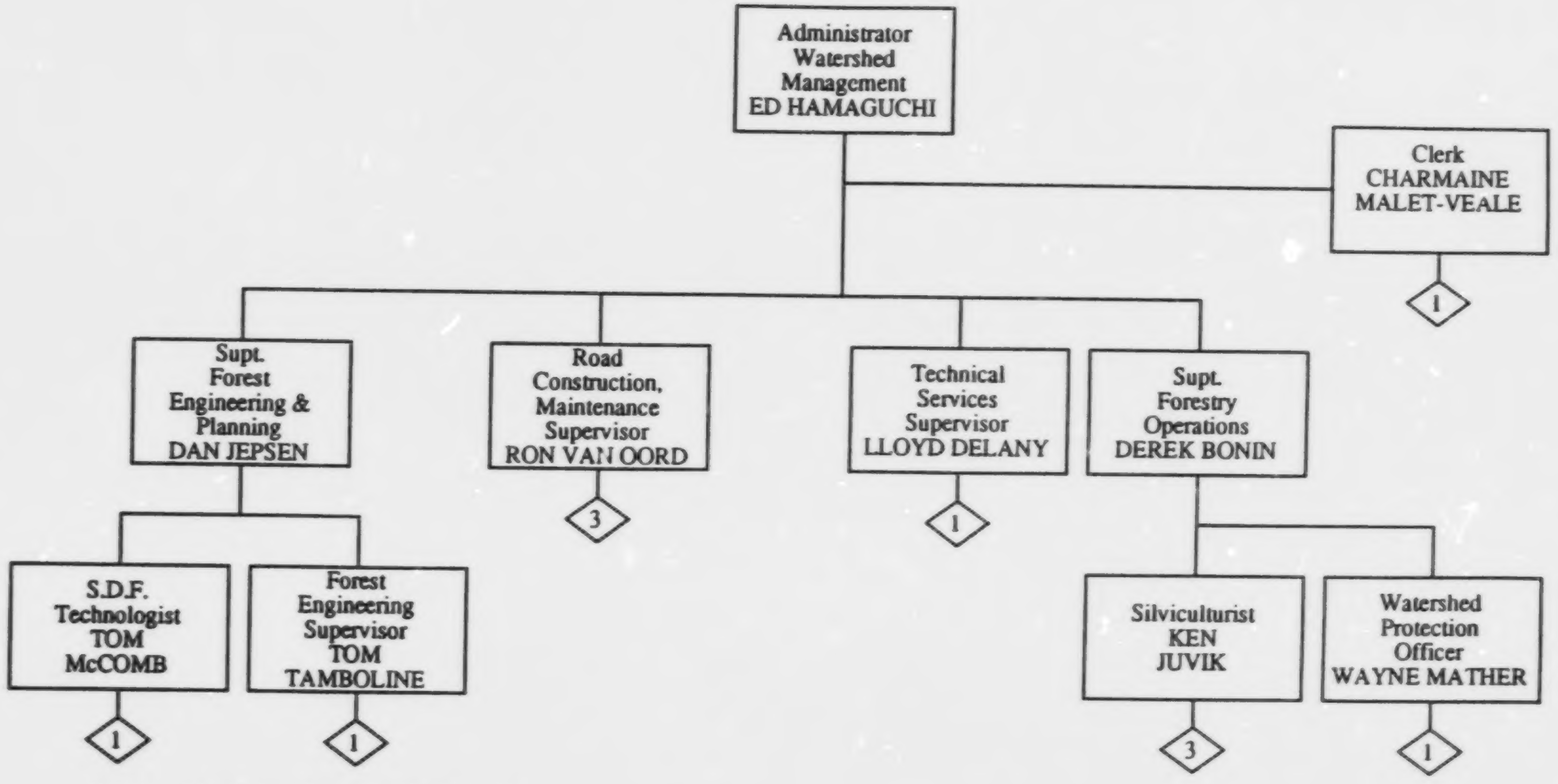
Watershed Management Financing

The Watershed Management Program is operated as a separate fund, and is not part of the regular Water District operations and has not impacted on the water rate to date. Over the years this program has produced net surpluses. These surpluses, which have amounted to $7,445,801 at December 31, 1989, have been set aside in the Reserve Fund for the long term Watershed Management Program.

To date all capital expenditures for Watershed Management have been financed from the Reserve Fund and written off to operations based on volumes of timber removed.

The downturn in the log market industry-wide will result in decreased revenue from sales. The 1991 budget has been prepared with the cost of both operational and capital expenditures reflecting this trend.

GREATER VANCOUVER WATER DISTRICT WATERSHED MANAGEMENT DEPARTMENT ORGANIZATION 1991


Administrator
Watershed
Management
ED HAMAGUCHI
Clerk
CHARMAINE
MALET-VEALE
1
Supt.
Forest
Engineering &
Planning
DAN JEPSEN
Road
Construction,
Maintenance
Supervisor
RON VAN OORD
3
Technical
Services
Supervisor
LLOYD DELANY
1
Supt.
Forestry
Operations
DEREK BONIN
S.D.F.
Technologist
TOM
McCOMB
1
Forest
Engineering
Supervisor
TOM
TAMBOLINE
1
Silviculturist
KEN
JUVIK
3
Watershed
Protection
Officer
WAYNE MATHER
1

Approved December 31,1990......21
Actual December 31,1990........21
1991 Changes Budgetted..........0

November 2, 1990

NOTE: Transferred to the Water District Budget

Schedule 10

GREATER VANCOUVER WATER DISTRICT
WATERSHED MANAGEMENT PROGRAM
STATEMENT OF LOGGING INCOME

	1990 FINAL BUDGET			1990 ACTUAL			1991 FINAL BUDGET		
	FBM	AMOUNT	$ PER MBM	FBM	AMOUNT	$ PER MBM	FBM	AMOUNT	$ PER MBM
LOG SALES	28,497,204	$12,823,745	450.00	23,058,816	$8,501,529	368.69	28,022,851	$10,228,340	365.00
COST OF LOGS SOLD									
OPENING INVENTORY - BOOMS & YARDS	7,161,247	3,082,559	430.45	7,161,247	3,082,559	430.45	4,840,602	2,099,534	433.73
COST OF LOGS PRODUCED	30,618,972	12,651,939	413.21	20,738,171	8,994,852	433.73	30,718,249	8,524,527	277.51
	37,780,219	15,734,498	416.47	27,899,418	12,077,411	432.89	35,558,851	10,624,061	298.77
CLOSING INVENTORY - BOOMS & YARDS	10,000,000	4,440,400	444.04	4,840,602	2,099,534	433.73	7,500,000	2,081,302	277.51
	27,780,219	11,294,098	406.55	23,058,816	9,977,877	432.71	28,058,851	8,542,759	304.46
GROSS PROFIT FROM LOG SALES		1,529,647			-1,476,348			1,685,581	
GENERAL EXPENSES									
ADMINISTRATION - LABOUR & OVERHEAD		87,144			125,341			90,000	
- OFFICE & OTHER EXP'S		93,090			61,511			95,000	
		180,234			186,852			185,000	
SURVEYS, MAPPING, AND CRUISING		335,091			361,403			290,000	
PROPERTY TAXES		280,000			358,601			0	SEE NOTE
WATERSHED RESEARCH		50,000			64,439			85,000	
PLANNING & TECHNICAL SERVICES		250,000			203,072			331,400	
SEYMOUR DEMONSTRATION FOREST		190,000			234,090			0	SEE NOTE
		1,285,325			1,408,457			891,400	
NET INCOME/(LOSS) FROM LOGGING OPERATIONS BEFORE INTEREST		244,319			-2,884,805			794,181	
INTEREST IN FUNDS EMPLOYED		50,000			-333,575			-350,000	
NET LOGGING INCOME/(LOSS) Y-T-D		294,319			-3,218,380			444,181	

NOTE: Transferred to the Water District Budget

GREATER VANCOUVER WATER DISTRICT

Schedule 11

Watershed Management Program
Cost of Logs Produced

	1990 FINAL BUDGET			1990 ACTUAL			1991 FINAL BUDGET		
	FBM	AMOUNT	$ PER MBM	FBM	AMOUNT	$ PER MBM	FBM	AMOUNT	$ PER MBM
FALLING AND BUCKING									
OPENING INVENTORY - WOODS	3,618,972	68,215	18.85	3,618,972	68,215	18.85	5,751,249	148,353	25.79
COST OF FALLING AND BUCKING	28,000,000	652,960	23.32	22,870,448	457,189	19.99	26,967,000	512,510	19.01
	31,618,972	721,175	22.81	26,489,420	525,404	19.83	32,718,249	660,863	20.20
CLOSING INVENTORY - WOODS	1,000,000	23,320	23.32	5,751,249	148,353	25.79	2,000,000	38,010	19.01
	30,618,972	697,855	22.79	20,738,171	377,051	18.18	30,718,249	622,853	20.28
YARD AND HAULING									
CONTRACT		4,200,000	137.17		2,815,651	135.77		3,649,296	118.80
SPUR LOGGING ROADS - MTCE		1,140,000	37.23		1,069,086	51.55		616,156	20.06
SPUR & MAIN ROAD AMORTIZATION		691,000	22.57		406,377	19.60		439,451	14.31
CONCRETE BRIDGE AMORTIZATION		100,000	3.27		50,626	2.44		35,006	1.14
CLEARING CREEKS		320,000	10.45		302,498	14.59	SEE NOTE	0	0.00
MINOR FOREST PRODUCTS		21,162	0.69		21,235	1.02		21,500	0.70
PERMITS		0	0.00		0	0.00		0	0.00
		6,472,162	211.38		4,665,473	224.97		4,761,409	155.00
BOOMING									
CONTRACT SERVICES		600,534	19.61		529,269	25.52		536,265	17.46
EQUIPMENT RENTALS		80,000	2.61		91,472	4.41		80,000	2.60
TOWING AND STORAGE		80,000	2.61		40,876	1.97		80,000	2.60
LAND RENTAL AND TAXES		180,000	5.88		205,746	9.92		200,000	6.51
LOG LOADERS		200,000	6.53		121,999	5.88		200,000	6.51
BOOMING GEAR		90,000	2.94		7,553	0.36		90,000	2.93
BEACH YARD MAINTENANCE		157,000	5.13		44,629	2.15		160,000	5.21
AMORTIZATION OF BOOMING GROUNDS		4,000	0.13		1,566	0.08		4,000	0.13
MISCELLANEOUS		20,000	0.65		222	0.01		20,000	0.65
		1,411,534	46.10		1,043,332	50.31		1,370,265	44.61
OTHER COSTS									
STUMPAGE ROYALTY AND SCALING		1,944,412	63.50		1,145,309	55.23		1,200,000	39.06
BASIC SILVICULTURE		385,000	12.57		221,508	10.68		350,000	11.39
INTENSIVE SILVICULTURE		525,000	17.15		368,559	17.77		200,000	6.51
WATERSHED PROTECTION		256,042	8.36		212,893	10.27	SEE NOTE	0	0.00
FIRE SUPPRESSION		20,000	0.65		60,048	2.90		20,000	0.65
SECURITY		939,934	30.70		900,679	43.43	SEE NOTE	0	
		4,070,388	132.94		2,908,996	140.27		1,770,000	57.62
COST OF LOGS PRODUCED	30,618,972	12,651,939	413.21	20,738,171	8,994,852	433.73	30,718,249	8,524,527	277.51

B.E. MARR
COMMISSIONER

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

ESTABLISHED 1914

4330 KINGSWAY
BURNABY B.C.
CANADA V5H 4G8
PHONE (604) 432-6200
FAX (604) 432-6251

TO: ADMINISTRATION BOARD

FROM: FINANCE & GOVERNMENT RELATIONS COMMITTEE

RE: 1991 BUDGET

DATE: MARCH 20, 1991

Purpose

To report on the Committee Review of the G.V.S.& D.D. 1991 Budget.

Background

Attached are schedules showing the changes from the 1991 Provisional Budget.

Sewerage & Drainage

Major changes from the provisional budget include a reduction in the debt charges due to declining interest rates and the addition of the Burrard Inlet Environmental Improvement Program ($140,000).

This budget, as approved by the Water Committee, is recommended to the Administration Board.

Solid Waste - Recycling and Research & Development

The Recycling budget amounting to $1,475,859, as approved by the Solid Waste Management Committee, was reduced by the F.G.R.C. by a lump sum of $253,391 to $1,222,468 which is the amount recommended to the Board.

The Research and Development Budget is increased from the Provisional Budget by including the Solid waste Management Plan Review program at a cost of $350,000 less the provincial grant of $175,000.

Solid Waste Disposal

Changes from the Provisional Budget include a deficit carried forward $318,507 more than projected and a decrease in debt charges of a similar amount. The tipping fee was set at the November 1990 meeting at $69.00 per tonne.

Intergovernment

These budgets are deemed to be exempt from the Provincial guidelines on limitation of real property taxes on the grounds that the solid waste tipping fee is exempt and the G.V.S.& D.D. levy is not a direct tax on real property.

Committee Recommendations

1. That the Administration Board approve the G.V.S.& D.D. 1991 budget for sewerage and drainage services, solid waste recycling and research and Section 7(2) financing for members, as presented to the meeting, requiring a total 1991 levy of $43,253,135.
2. That the 1991 Solid Waste Disposal budget as presented to the meeting be approved and that the 1991 tipping fee be confirmed at $69.00 per tonne.

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

	OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL	ADJUSTED BASE
	1990 Final Operating Budget		$17,835,102		$17,835,102	
	Less: Special non-recurring programs		(282,822)		(282,822)	
	1990 Base Budget		17,552,280		17,552,280	100.0%
	Add: Adjustments to Base					
	Reallocation of labour charged to admin		(108,969)		(108,969)	
	Increase in indirect departmental cost rates and benefits		135,433		135,433	
			26,464		26,464	
	Annualization, merit increases and redistribution				0	
	of staffing in Quality Control Dep't		60,000		60,000	
	Increase in Quality Control staff for summer relief and				18,200	
	materials & supplies		18,200			
	Annualization of 1990 staffing in Source Control Dep't		38,100		38,100	
	Computer services allocation		40,000		40,000	
	Increase in mileage charges		27,000		27,000	
	Increase in materials & supplies & miscellaneous		54,100		54,100	
	Inflation & GST on Base		1,028,156		1,028,156	
	Adjusted Base		18,844,300		18,844,300	107.4%
	Mandated by other governments and agencies					
	Updating BCMOE effluent permits		48,000		48,000	
	Additional mechanic to meet WCB regulations		56,078		56,078	
	Safety equipment & training program		101,367		101,367	
			205,445		205,445	
	Source Control:					
	Implementation of Sewer Use Bylaw		523,700		523,700	
	Special waste regulations		207,100		207,100	
	Key manhole monitoring program		38,800		38,800	
	Additional industry fee revenues		(928,800)		(928,800)	
	Savings due to part-year staffing in Source Control			(211,700)	(211,700)	
			(159,200)	(211,700)	(370,900)	
	Subtotal		18,890,545	(211,700)	18,678,845	106.4%
1	Non-routine maintenance at STP's and Cariboo (see list)	A	314,000		314,000	
2	Three person maintenance crew (Sewer District Share)	A	246,462		246,462	
3	Instrument Technologist position (Sewer District Share)	A	53,705		53,705	
4	Instrument Engineer position (Sewer District Share)	A	20,684		20,684	
5	Electrical Engineer position (Sewer District Share)	A	19,500		19,500	
6	Two mechanics to maintain STP and pumping station equi	A	206,511		206,511	
7	Sewerage flow monitoring & preventative maintenance	A	204,833		204,833	
8	Quality Control laboratory equipment	A	30,000		30,000	
	Savings due to part year for new positions			(100,000)	(100,000)	
9	O & M Evaluation and Audits	D	350,000		350,000	
10	Standby Power Generator Study (Sapperton Pump Station	B	50,000		50,000	
11	Year-Round Beach Monitoring	B	26,200		26,200	
12	Improved data storage system for laboratory	B	26,774		26,774	
13	Burrard Inlet Environmental Improvement Program	B		140,000	140,000	
			1,548,669	40,000	1,588,669	
	Total Operating Budget		20,439,214	(171,700)	20,267,514	115.5%
	Debt Charges		22,370,800	(1,420,287)	20,950,513	
	Section 7(2) Financing		1,027,695	(18,420)	1,009,275	
			23,398,495	(1,438,707)	21,959,788	
	TOTAL 1991 BUDGET		**$43,837,709**	**($1,610,407)**	**$42,227,302**	
	Total 1990 Budget		40,093,357		40,093,357	
	% Increase		9.3%		5.3%	

NOTES: A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

Non-Routine Maintenance

Non-Routine Maintenance at STP's and Cariboo Dam

Annacis Island STP		
Purchase of 30" RSP spare impeller & wear rings	20,000	
Purchase of spare large circuit breakers	7,000	27,000
N.W.. Langely STP		
Replace secondary filters and chain	100,000	
Replace screens on micro screens	25,000	125,000
Iona Island STP		
Rebuild silencers on #2 and #5 engines	35,000	
Paint exterior of influent pump building and #1 and #2 digesters	15,000	
Purchase spare large circuit breakers	7,000	57,000
Lion's Gate STP		
Repair drain lines for PA tanks 1-4 and 5-8	50,000	
Repair #2 heat exchanger	10,000	60,000
Other		
Gate repair and stop log improvements at Cariboo Dam		45,000
		$314,000

GREATER VANCOUVER SEWERAGE AND DRAINAGE

CAPITAL EXPENDITURES FOR 1991

	1991 CAPITAL EXPENDITURES	1991 DEBT COST	ANNUALISED DEBT COST	
Board Approved Capital Programs Already in Progress				
Lions Gate Sludge Dewatering	4,000,000	151,390	402,469	*
Emergency Generators	1,340,000	78,890	144,281	*
Access Roads	43,000	2,750	5,805	
H2S Monitoring	156,000	9,990	21,060	
Pump Station Upgrades	240,000	15,330	10,969	*
Hastings Trunk Upgrade	530,000	28,460	36,113	*
Nicomekl Pressure Sewer	350,000	20,650	47,250	
Sewage Flow Monitoring	562,000	15,260	75,870	
	7,221,000	322,720	743,816	
Legislated by Senior Government				
Predesign of Secondary Treatment - Annacis and Lulu Island STPs	3,000,000	144,970	243,135	*
Detail Design of Sludge Handling Processes - Annacis and Lulu Island STPs	5,000,000	189,240	675,000	
Implement Sludge Management Strategy	3,667,000	162,850	495,045	
Implement Golf Course Proposal at Coquitlam Landfill using Annacis Land-Stored Sludge	850,000	67,860	114,750	
Combined Sewer Overflow Design Studies	845,000	54,100	95,850	*
LWMP Stage 2	595,000	22,410	80,325	
Urban Runoff Assessments	525,000	19,980	39,555	*
	14,482,000	661,410	1,743,660	
Board Approved Capital Programs Not Started				
Minor Sewer Improvements	270,000	11,630	36,450	
Minor Improvements at STPs	560,000	30,050	75,600	
SCADA System	1,400,000	38,230	189,000	
Easement Acquisition	3,000,000	129,140	405,000	
Port Moody/Coquitlam Drainage	535,000	40,030	72,225	
	5,765,000	249,080	778,275	
Maintain Existing Level of Service				
Sewer Repairs and Pipe Protection	3,890,000	208,560	401,220	*
Sewer Replacement	1,200,000	51,580	162,000	
	5,090,000	260,140	563,220	
Maintain Existing Service at Increased Volumes (Growth)				
Hollyburn Interceptor Twinning	160,000	3,530	21,600	
New Programs to Attain Board Policies				
Emergency Generators	160,000	2,690	21,600	
Overflow Structure Modifications - 4th & Highbury	300,000	5,520	40,500	
Still Creek Widening	450,000	19,460	60,750	
Odour Control at STPs	200,000	10,610	27,000	
Lions Gate Site Development Study	50,000	3,400	6,750	
Rain Gauge Upgrading	60,000	3,530	8,100	
	1,220,000	45,210	164,700	
TOTALS	$33,938,000	$1,542,090	$4,015,271	

*** Annualized debt cost is net of approved PBC grants.**

GREATER VANCOUVER SEWAGE & DRAINAGE DISTRICT
RECYCLING PROGRAM
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	CHANGES FROM F & G R	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		611,234			611,234	100.0%
Add: Adjustments to Base						
Staff merit increases		4,460			4,460	
Other indirect costs		82,506			82,506	
Inflation & GST on Base		60,965			60,965	
Adjusted Base		759,165			759,165	124.2%
Priority 1						
Recycle Month	B	20,000			20,000	
Schools Program	B	180,000			180,000	
Composting Program	B	100,000	(50,000) E		50,000	
Municipal Co-Ordination & Community Outreach	B	150,000	(50,000) E		100,000	
Internal Recycling and Institutional, Commercial, & Industrial Program	B	125,000	(25,000) E		100,000	
Recycling Committee	B	10,000			10,000	
Delay in staffing of new positions			(124,165)		(124,165)	
		585,000	(249,165)		335,835	
Sub-total		1,344,165	(249,165)		1,095,000	179.1%
Priority 2						
Recycle Month	B	25,000			25,000	
Schools Program	B	70,000			70,000	
Composting Program	B	100,000			100,000	
Municipal Co-Ordination & Community Outreach	B	100,000			100,000	
Internal Recycling and Institutional, Commercial, & Industrial Program	B	50,000			50,000	
Recycling Committee	B	20,000			20,000	
				(253,391)	(253,391)	
		365,000	0	(253,391)	111,609	
Total Operating Budget		1,709,165	(249,165)	(253,391)	1,206,609	197.4%
Debt Charges		0	15,859		15,859	
TOTAL 1991 BUDGET		**$1,709,165**	**($233,306)**	**($253,391)**	**$1,222,468**	200.0%
Total 1990 Budget for Recycling		611,234			611,234	
% Increase		279.6%			200.0%	

NOTES:
A. Maintain existing ongoing programs at increased volumes.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs.
D. Special Non-recurring programs.
E. Expenditures Capitalized.

GREATER VANCOUVER SEWAGE & DRAINAGE DISTRICT
SOLID WASTE RESEARCH & DEVELOPMENT

	1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL
1990 Final Operating Budget	53,811		53,811
Reduction in existing program	(13,811)		(13,811)
Subtotal	40,000		40,000
Mandated Program			
Solid Waste Management Plan Review		175,000	175,000
Total	$40,000	$175,000	$215,000

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Revenue and Expenditure Budget

Year Ending December 31, 1991

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GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SEWERAGE & DRAINAGE OPERATIONS

1. SEWERAGE & DRAINAGE ROLE

Liquid waste disposal (i.e. sewage and drainage) is carried out by the Greater Vancouver Sewerage and Drainage District (GVS&DD) pursuant to the GVS&DD Act. Membership in this District by municipalities is voluntary; however, once in, there is no provision for opting out. The District is legally obliged to perform in accordance with the Act.

(a) **Sewerage** - This involves the regulation, collection, treatment, and disposal of sewage from member municipalities in accordance with the 1953 Rawn Engineering report and subsequent amendments and other related legislation.

(b) **Drainage** - This involves the maintenance and improvement of drainage channels that traverse more than one municipality and whose designation as major drainage facilities has been approved by the Administration Board at the request of member municipalities.

2. SEWERAGE & DRAINAGE OBJECTIVES

The GVS&DD serves 18 member municipalities with a combined 1990 population of almost 1.5 million. The principal objectives are to provide:

(i) Efficient and reliable sewerage and drainage services to member municipalities.

(ii) The most cost effective and environmentally acceptable means to dispose of the Region's liquid wastes.

3. EXISTING SEWERAGE & DRAINAGE FACILITIES

The GVS&DD is geographically divided into four areas. Within each area, municipal sewers discharge to District trunk sewers and treatment facilities. The District also maintains various drainage streams and culverts, including the Cariboo Dam on Burnaby Lake and Brunette River. Estimates put the replacement value of the District's assets (sewers, treatment plants, and pumping stations) at over $1 billion.

The District's sewage collection system consists of approximately 250 miles of trunk sewers, 34 pump stations, and 132 control structures which transport sewage from areas as remote as Horseshoe Bay, Deep Cove, Langley, and White Rock to the District's four sewage treatment plants.

The District's four major treatment plants started operations in 1962 (Lions Gate), 1963 (Iona), 1973 (Lulu Island), and 1975 (Annacis). Since commissioning, a combined total of 14 plant expansions have taken place to keep place with the increased flows generated by regional growth.

Each existing plant provides primary sewage treatment. In simplest terms, primary treatment removes about 60-70% of sewage solids, and 35% to 40% of the biochemical oxygen demand which absorbs oxygen in receiving waters. Except at Iona, plant effluents are chlorinated and dechlorinated prior to discharge.

When the Township of Langley joined the GVS&DD in 1987, the Township's secondary sewage treatment plant became one of the GVS&DD facilities. However, while the GVS&DD has assumed ownership and financial obligations for the Langley plant, it continues to be operated by Township staff.

4. 1991 BUDGET HIGHLIGHTS

In past years, the main emphasis for the GVS&DD has been on constructing new sewerage and drainage facilities to serve the growing region. This work will continue, particularly to serve new growth in the Fraser Sewerage Area. However, the 1991 budget includes expanded and/or new programs to provide increased emphasis on the operations and maintenance of existing facilities and the regulation of sewer discharges. The basis for this need is outlined below.

(i) Aging of Equipment and Infrastructure

Existing District structures and equipment fall into two broad categories; the collection systems and sewage treatment plants. The collection systems including pipes, conduits, pumping stations and control facilities are experiencing extensive corrosion and erosion damage. Recent work on the South Surrey Interceptor to repair corrosion caused by hydrogen sulphide has highlighted the need for an overall assessment of the condition of all District sewer interceptors. The 1991 Budget includes $102,417 to cover the work.

In addition, by their nature, pumping stations and sewage treatment plants have a lot of electrical and mechanical equipment with a typical economic life of 15-30 years. Figure 1 shows that less than 10% of the District's installed pumping station horsepower is presently older than 20 years; this will change to over 90% within the next 5 years. While the District has maintained its facilities and equipment in good order, it is evident that the frequency and cost of breakdowns and repairs is increasing. To respond to this, the 1991 budget includes programs to fully evaluate the condition and remaining life of our existing facilities, recommend changes to the operations and maintenance organization, continue with the most urgent replacements, and to make recommendations on future requirements.

(ii) Increased Population and Area Served

The population and geographic area served by GVS&DD facilities has increased significantly in the last few years. As well as increasing the scope of the District's facilities, the increased flows resulting from this development have placed greater demands on all aspects of the District's collection and treatment systems. Therefore, the 1991 budget provides for additional resources to address the increased operations and maintenance requirements.

(iii) Inflow and Infiltration

As a result of aging of municipal and District sewer facilities, there is now a substantial amount of unwanted groundwater infiltration during dry weather. Furthermore, inflows of surface water during heavy rains are causing peak flows and some flooding in parts of the region. These inflows take up capacity that was designed into facilities to handle long-term population growth. The 1991 budget includes resources to start locating the sources of this inflow, in concert with member municipalities, to reduce the high cost of wastewater pumping and the unnecessary upsizing of major sewers and treatment facilities.

(iv) Environmental Concerns

The 1991 budget includes debt charges for capital projects to be recommended in 1991 to respond to the continually increasing public concern for the protection of the environment. These projects will place increased emphasis on preventing sewage overflows and bypasses at pumping stations and treatment plants as well as increased attention to odour control. The budget also includes a feasibility study for standby power at the Sapperton Pump Station to avoid sewage bypasses at Braid Street in New Westminster. Funds have also been provided for the District's share of the Burrard Inlet Environmental Improvement Program.

Resources have also been added to the Source Control regulatory program to fully implement the requirements of the new Sewer Use Bylaw. The Bylaw provides for the setting of fees, by the Administration Board, for handling, treating and regulating waste and the 1991 budget includes fee revenues to recover the additional regulatory costs.

(v) Safety

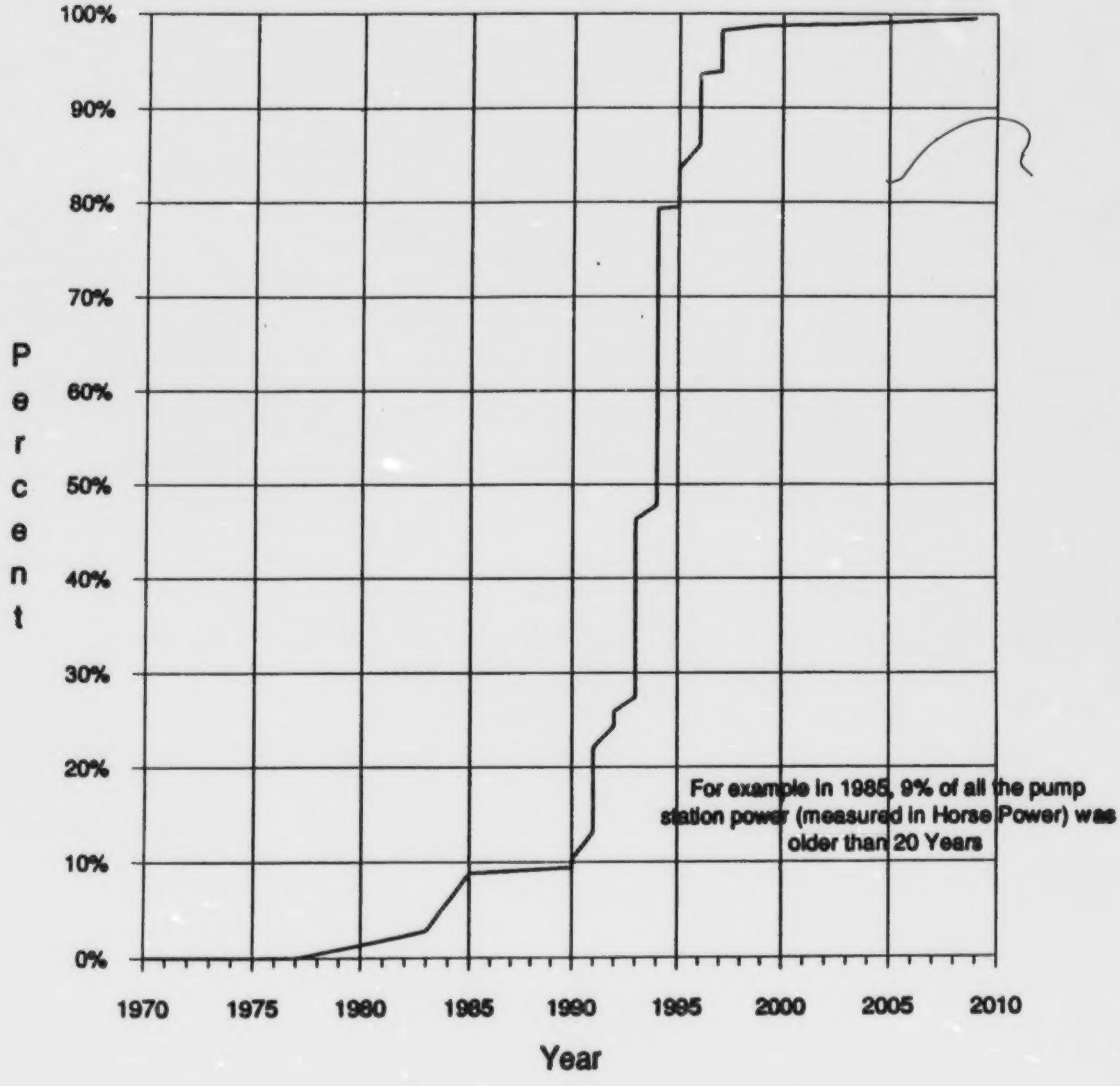
The GVS&DD has a continuing commitment to the safety of its employees. It also has a statutory requirement to meet the Workers' Compensation Board of B.C. Standards. These standards are continually evolving and place increased demands on District resources. For example, the WCB has recently mandated programs for confined space entry and lock-out procedures. While some safety equipment is on-hand, the 1991 budget includes debt charges for additional safety equipment which is required immediately to comply with WCB regulations, and which will be recommended early in thie 1991 Capital program. It also includes provision for additional resources to comply with WCB regulations.

(vi) Provincial STP Permit Fees

The 1991 budget includes funds to pay Provincial fees for STP effluent discharge permits.

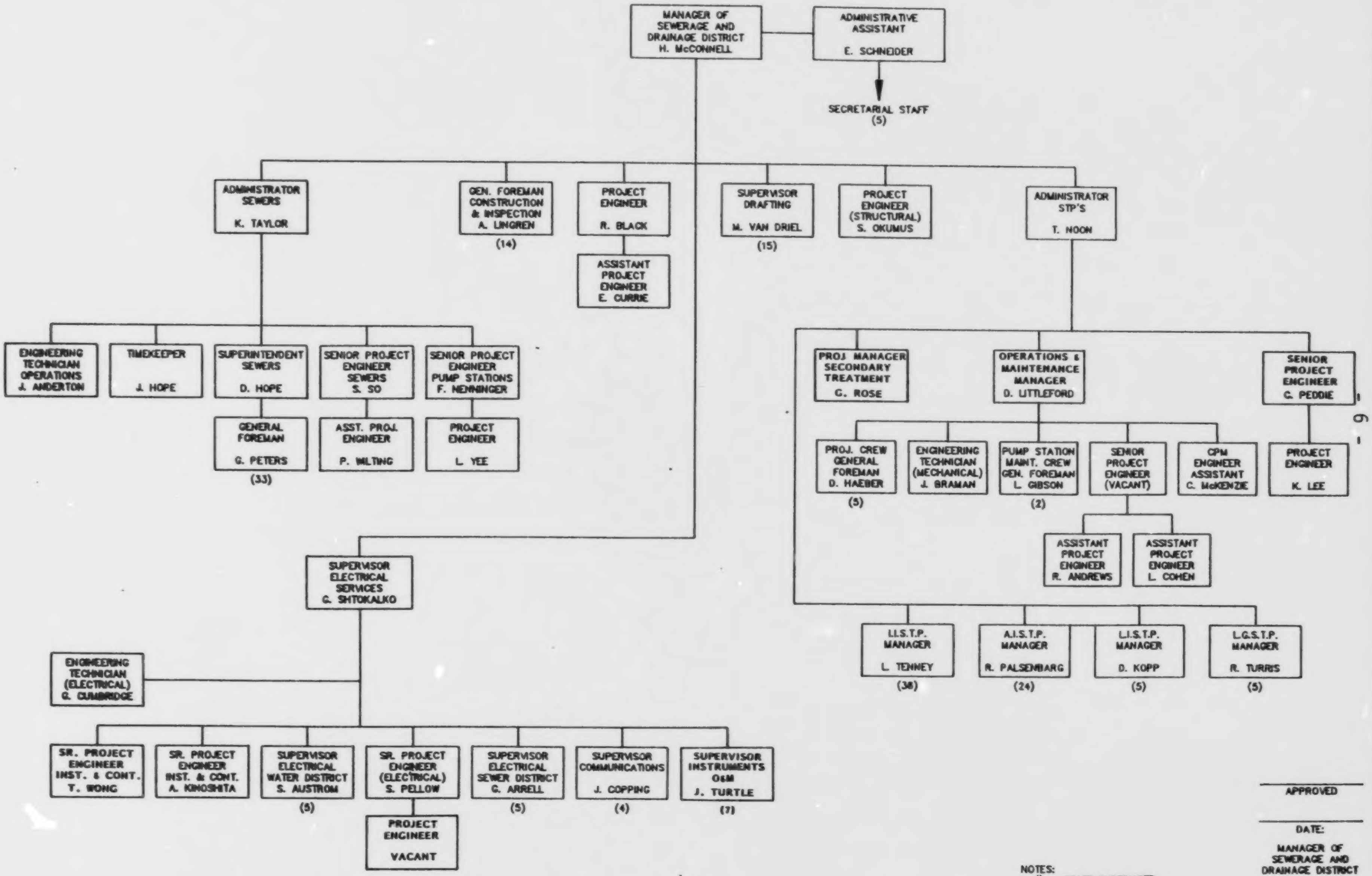
Figure 1

Percent of Current Pump Station Horse Power Older than 20 years



For example in 1985, 9% of all the pump station power (measured in Horse Power) was older than 20 Years

ORGANIZATION CHART OF THE GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT


MANAGER OF SEWERAGE AND DRAINAGE DISTRICT H. McCONNELL
ADMINISTRATIVE ASSISTANT E. SCHNEIDER
SECRETARIAL STAFF (5)
ADMINISTRATOR SEWERS K. TAYLOR
GEN. FOREMAN CONSTRUCTION & INSPECTION A. LINGREN (14)
PROJECT ENGINEER R. BLACK
ASSISTANT PROJECT ENGINEER E. CURRIE
SUPERVISOR DRAFTING M. VAN DRIEL (15)
PROJECT ENGINEER (STRUCTURAL) S. OKUMUS
ADMINISTRATOR STP'S T. NOON
ENGINEERING TECHNICIAN OPERATIONS J. ANDERTON
TIMEKEEPER J. HOPE
SUPERINTENDENT SEWERS D. HOPE
GENERAL FOREMAN G. PETERS (33)
SENIOR PROJECT ENGINEER SEWERS S. SO
ASST. PROJ. ENGINEER P. WILTING
SENIOR PROJECT ENGINEER PUMP STATIONS F. NENNINGER
PROJECT ENGINEER L. YEE
PROJ MANAGER SECONDARY TREATMENT G. ROSE
OPERATIONS & MAINTENANCE MANAGER D. LITTLEFORD
SENIOR PROJECT ENGINEER C. PEDDIE
PROJ. CREW GENERAL FOREMAN D. HAEBER (5)
ENGINEERING TECHNICIAN (MECHANICAL) J. BRAMAN
PUMP STATION MAINT. CREW GEN. FOREMAN L. GIBSON (2)
SENIOR PROJECT ENGINEER (VACANT)
CPM ENGINEER ASSISTANT C. McKENZIE
PROJECT ENGINEER K. LEE
ASSISTANT PROJECT ENGINEER R. ANDREWS
ASSISTANT PROJECT ENGINEER L. COHEN
L.I.S.T.P. MANAGER L. TENNEY (38)
A.I.S.T.P. MANAGER R. PALSENBARG (24)
L.I.S.T.P. MANAGER D. KOPP (5)
L.G.S.T.P. MANAGER R. TURRIS (5)
SUPERVISOR ELECTRICAL SERVICES G. SHTOKALKO
ENGINEERING TECHNICIAN (ELECTRICAL) G. CUMBRIDGE
SR. PROJECT ENGINEER INST. & CONT. T. WONG
SR. PROJECT ENGINEER INST. & CONT. A. KINOSHITA
SUPERVISOR ELECTRICAL WATER DISTRICT S. AUSTROM (5)
SR. PROJECT ENGINEER (ELECTRICAL) S. PELLOW
PROJECT ENGINEER VACANT
SUPERVISOR ELECTRICAL SEWER DISTRICT G. ARRELL (5)
SUPERVISOR COMMUNICATIONS J. COPPING (4)
SUPERVISOR INSTRUMENTS O&M J. TURTLE (7)

APPROVED

DATE:

MANAGER OF SEWERAGE AND DRAINAGE DISTRICT

NOTES:
1. () = STAFF SUPERVISED
2. ELECTRICAL & ENG. SERVICES AND QUALITY CONTROL ALSO PROVIDED TO GVWD

MAY 13, 1991

ACTUAL

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Schedule 1

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Final Revenue & Expenditure Budget
Levy for Debt Charges,
Administration and
Operation & Maintenance Expenses

Year Ending December 31, 1991

1990 Final Budget	1990 Actual		Requirements for the Year Ending December 31, 1991	% Change over 1990 Final Budget	(Underexpended) Overexpended in 1990	1991 Levy
		GVS&DD Facilities Sewerage & Drainage Debt Charges				
$21,265,532	$20,675,843	GVS&DD Debt Charges (Sch. 4)	$21,385,413	0.6	$ (589,689)	$20,795,724
(190,200)	(224,477)	Recovery - Interest earned less Sundry Financial Charges	(434,900)	128.7	(34,277)	(469,177)
21,075,332	20,451,366	TOTAL DEBT CHARGES	20,950,513	-0.6	(623,966)	20,326,547
1,122,948	1,217,444	Administration & General Expense (Sch. 6)	1,519,553	35.3	94,496	1,614,049
16,703,838	16,689,577	Operation & Maintenance (Sch. 9)	18,689,595	11.9	(14,261)	18,675,334
8,316		Research & Development	58,366	601.9	(8,316)	50,050
38,910,434	38,358,387	Total Sewerage & Drainage	41,218,027	5.9	(552,047)	40,665,980
665,045	838,468	Solid Waste Disposal (Sch.11)	1,437,468	116.1	173,423	1,610,891
39,575,479	39,196,855	Total GVS&DD facilities	42,655,495	7.8	(378,624)	42,276,871
1,182,923	1,149,912	Financing for Members under Section 7(2) Debt Charges (Sch. 4)	1,009,275	-14.7	(33,011)	976,264
$40,758,402	40,346,767		$43,664,770	7.1	$ (411,635)	$43,253,135
	(287,725)	1989 underexpenditure carried forward				
	40,059,042					
	40,470,677	1990 Levy				
	$ (411,635)	1990 Underexpended				

Schedule 1

Burnaby	Coquitlam	Delta	Langley (City)	Langley (Dist.)	Maple Ridge	New Westminster	N. Van. City	N. Van. Dist.	Pitt Meadows	Port Coquitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
$2,545,891	$ 955,993	$1,078,028	$236,926	$476,704	$1,050,406	$ 817,241	$306,176	$ 480,537	$188,553	$355,443	$246,244	$1,161,216	$2,344,484	$45,058	$7,777,656	$ 531,117	$198,051
(56,008)	(23,099)	(23,472)	(5,132)	(10,485)	(15,031)	(15,054)	(10,431)	(16,594)	(2,724)	(7,698)	(5,787)	(38,638)	(50,822)	(941)	(161,710)	(21,263)	(4,288)
2,489,883	932,894	1,054,556	231,794	466,219	1,035,375	802,187	295,745	463,943	185,829	347,745	240,457	1,122,578	2,293,662	44,117	7,615,946	509,854	193,763
168,918	61,797	77,233	15,594	38,985	26,849	37,586	45,209	71,357	5,769	23,481	15,581	147,223	157,217	3,733	639,455	65,037	13,025
2,266,588	887,607	952,614	209,652	421,275	295,838	509,396	574,132	900,646	53,553	314,259	261,435	1,930,124	2,072,635	35,035	5,994,476	820,962	175,107
5,238	1,916	2,395	484	1,209	833	1,165	1,402	2,213	179	728	483	4,565	4,875	116	19,828	2,017	404
4,930,627	1,884,214	2,086,798	457,524	927,688	1,358,895	1,350,334	916,488	1,438,159	245,330	686,213	517,956	3,204,490	4,528,389	83,001	14,269,705	1,397,870	382,299
168,587	61,676	77,082	15,564	38,909	26,797	37,512	45,121	71,217	5,758	23,435	15,551	146,935	156,908	3,725	638,205	64,910	12,999
5,099,214	1,945,890	2,163,880	473,088	966,597	1,385,692	1,387,846	961,609	1,509,376	251,088	709,648	533,507	3,351,425	4,685,297	86,726	14,907,910	1,462,780	395,298
64,185	183,606							20,408				210,616				497,449	
$5,163,399	$2,129,496	$2,163,880	$473,088	$966,597	$1,385,692	$1,387,846	$961,609	$1,529,784	$251,088	$709,648	$533,507	$3,562,041	$4,685,297	$86,726	$14,907,910	$1,960,229	$395,298

Schedule 2

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
Debenture Debt Charges
Year Ending December 31, 1991

SINKING FUND DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
41	64	5.5	May 1, 1991	$ 18,552	$ 43,024	$ 61,576
47	75	7.5	Jul. 15, 1991-1994	8,454	22,362	30,816
48	78	9.5	Jan. 15, 1995		256,500	256,500
50	88	9.25	Oct. 1, 1995	62,857	277,500	340,357
53A	89	8.0	May 15, 1991	75,830	77,157	152,987
57B	93	7.75	Apr. 15, 1992	204,883	199,717	404,600
74B	114	9.5	Apr. 15, 1995	159,009	190,000	349,009
97		9.0	Aug. 15, 1991	433,425	1,671,780	2,105,205
				963,010	2,738,040	3,701,050

SERIAL DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
22	32	5.125	Jan. 1, 1991-2002	2,678	1,936	4,614
23	33	5.125	Jul. 1, 1991-2002	1,946	1,493	3,439
25	38	5.375	Oct. 1, 1991-2002	10,745	9,022	19,767
26	39	5.125	Jan. 1, 1991-2003	2,375	1,929	4,304
27	40	5.125	Jan. 1, 1991-2003	3,232	2,625	5,857
28	42	5.125	Jan. 1, 1991-2003	1,750	1,421	3,171
29	43	5.125	Jul. 1, 1991-2003	125,110	107,419	232,529
31	46	5.125	Jul. 1, 1991-2003	2,648	2,274	4,922
33	51	5.125	Jan. 1, 1991-2004	16,064	14,558	30,622
35	55	5.375	Jan. 1, 1991-2005	9,699	10,412	20,111
39	60	5.125	Jul. 1, 1991-2005	76,729	81,069	157,798
40	61	5.375	Dec. 1, 1991-2005	3,912	4,629	8,541
42	65	5.375	Jan. 1, 1991-2006	14,016	16,628	30,644
43	69	6.0	May 1, 1991-1992	182,397	14,675	197,072
44	70	5.375	Jan. 1, 1991-2007	28,328	36,982	65,310
45	71	6.125	Jan. 1, 1991-2007	1,041	1,650	2,691
46	72	6.0	Jul. 1, 1991-2007	1,730	2,790	4,520
54	94	7.875	Jan. 1, 1991-1992	42,410	3,406	45,816
55	94	8.25	Jan. 1, 1991-1992	37,007	3,116	40,123
56	94	8.25	Jan. 1, 1991-1992	33,378	2,811	36,189
58	103	6.875	Jan. 1, 1991-1992	137,557	7,133	144,690
59B	102	8.0	Feb. 15, 1991-1993	257,657	45,498	303,155
60B	104	8.25	Jul. 2, 1991-1993	338,537	73,842	412,379
61	106	7.25	Jan. 1, 1991-1993	45,524	6,969	52,493
62	106	7.25	Jan. 1, 1991-1993	41,493	6,352	47,845
63	106	7.5	Jan. 1, 1991-1993	33,455	5,308	38,763
64	106	6.875	Jan. 1, 1991-1993	345,863	43,374	389,237
65	108	7.875	Jan. 1, 1991-1993	54,903	9,171	64,074
66	108	8.25	Jan. 1, 1991-1993	37,447	6,572	44,019
67	108	7.5	Jan. 1, 1991-1993	28,549	4,529	33,078
68	109	7.875	Jan. 1, 1991-1993	194,086	32,422	226,508
69	108	7.5	Jul. 1, 1991-1993	24,767	4,976	29,743
			Carried Forward	2,137,033	566,991	2,704,024

Schedule 2
(Cont'd.)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
Debenture Debt Charges
Year Ending December 31, 1991

SERIAL DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
			Brought Forward	$2,137,033	$ 566,991	$ 2,704,024
70	108	7.625	Jul. 1, 1991-1993	62,339	12,749	75,088
71	110	7.875	Jan. 1, 1991-1994	45,447	11,851	57,298
72	110	7.5	Jan. 1, 1991-1994	41,588	10,280	51,868
73	110	7.5	Jan. 1, 1991-1994	179,612	44,396	224,008
75	115	7.5	Jan. 1, 1991-1995	103,567	35,469	139,036
76	115	7.5	Jan. 1, 1991-1995	37,418	12,815	50,233
77	115	7.5	Jan. 1, 1991-1995	135,883	46,536	182,419
78	115	7.625	Jan. 1, 1991-1995	167,625	58,493	226,118
79	117	7.5	Jul. 1, 1991-1995	263,539	103,162	366,701
80	117	7.0	Jul. 1, 1991-1995	69,228	25,040	94,268
81	117	7.625	Jan. 1, 1991-1996	170,704	77,461	248,165
82	117	8.0	Jan. 1, 1991-1996	156,755	75,280	232,035
83	117	10.0	Jan. 1, 1991-1996	4,364	2,745	7,109
84	117	10.375	Jan. 1, 1991-1996	3,810	2,507	6,317
85	118	9.5	May 5, 1991-1996	350,000	177,682	527,682
86	119	7.875	Jul. 1, 1991-1995	52,043	21,553	73,596
87	119	8.0	Jan. 1, 1991-1996	49,905	23,967	73,872
88C	121	8.875-9.375	Nov. 1, 1991-1997	181,841	153,289	335,130
89	124	7.625	Jan. 1, 1991-1997	277,582	157,315	434,897
90A-E	125	8.0-9.75-10.5	Jan. 1, 1991-1998	169,512	166,637	336,149
91A-C	126	9.625-10.0	Jan. 1, 1991-1999	27,192	31,370	58,562
92	127	10.0	Jan. 1, 1991-2000	84,133	118,344	202,477
93C	128	11.75-12.0-12.5	Sep. 15, 1991-2000	400,000	485,206	885,206
				5,171,120	2,421,138	7,592,258
				$6,134,130	$5,159,178	$11,293,308

Schedule 3

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Debt Charges
Year Ending December 31, 1991

1990 Actual	Debenture Debt	1991 Final Budget		
		Debt Retirement	Interest	Total
$13,270,288	Greater Vancouver Sewerage & Drainage District Debenture Debt (Sch. 2)	$ 6,134,130	$ 5,159,178	$11,293,308
158,590	Premium on U.S. Funds	82,980	105,260	188,240
	Proposed debenture issues			
800,000	- new issues	4,355,321	14,316,207	18,671,528
880,000	- refinancing temporary debentures	1,147,000	2,567,320	3,714,320
15,108,878		11,719,431	22,147,965	33,867,396
	Debt charges assumed re members' facilities			
7,145	City of Port Coquitlam	3,314	257	3,571
45,884	City of Langley		48,638	48,638
17,227,313	Interest on temporary capital borrowing		1,454,523	1,454,523
32,389,220	TOTAL DEBT CHARGES	11,722,745	23,651,383	35,374,128
	Less			
(104,450)	Interest on Mortgage			
(21,211)	Interest charged to construction projects		(50,973)	(50,973)
	Recycling program			
(10,437,804)	Solid waste operations	(2,800,000)	(10,128,467)	(12,928,467)
$21,825,755	NET DEBT CHARGES	$ 8,922,745	$13,471,943	$22,394,688

Schedule 4

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Interest & Debt Retirement Charges
and Debt Retirement Charges
Year Ending December 31, 1991

1990 Actual		Requirements for the Year Ending December 31, 1991	(Underexpended) Overexpended in 1990	1991 Levy
	Sewerage Areas			
	Fraser			
$7,879,625	- General Facilities	$ 8,443,225	$ (265,530)	$ 8,177,695
954,278	- Maple Ridge/Pitt Meadows Facilities	840,972	2,602	843,574
915,314	Lulu Island West	878,979	3,193	882,172
	North Shore			
97,997	- Gleneagles Interceptor	99,590	(6,493)	93,097
774,716	- Other Facilities	1,062,374	380	1,062,754
8,110,309	Vancouver	7,937,973	(103,919)	7,834,054
	Drainage Areas			
(131)	Byrne Road		(131)	(131)
2,337	Kyle Street	7,238	(6,053)	1,185
4,480	Musqueam	4,515		4,515
7,386	Schoolhouse	16,468	(9,744)	6,724
	Still Creek-Brunette River			
232,235	- General	237,403	(35,250)	202,153
276,456	- Lower Brunette	253,754	(10,740)	243,014
2,793	William Street	27,459	(21,061)	6,398
	General			
232,373	Investigations, contribution to equipment fund, updating Rawn Report & construction facilities	512,118	(220,548)	291,570
39,866	Solid Waste Disposal Plan	41,277	(22,075)	19,202
1,145,809	Land Improvement Fund	1,022,068	105,680	1,127,748
20,675,843	Total Relative to District's Facilities	21,385,413	(589,689)	20,795,724
1,149,912	Financing for members under Section 7(2) (Schedule 5)	1,009,275	(33,011)	976,264
$21,825,755	TOTAL (Schedule 3)	$22,394,688	$(622,700)	$21,771,988

Burnaby	Coquitlam	Delta	Langley (City)	Langley (District)	Maple Ridge	New Westminster	N. Van. (City)	N. Van (Dist.
$1,645,994	$881,365	$1,009,142	$223,213	$442,422	$ 311,109	$538,000	$	$
					715,687			
							265,852	416,89
602,859								
(131)								
	574							
	2,752							
146,508	13,516					2,703		
						243,014		
	2,668							
30,514	11,163	13,952	2,817	7,043	4,850	6,790	8,167	12,89
2,124	777	971				473	569	89
118,023	43,178	53,963	10,896	27,239	18,760	26,261	31,588	49,85
$2,545,891	$955,993	$1,078,028	$236,926	$476,704	$1,050,406	$817,241	$306,176	$480,53

Schedule 4

Van. City)	N. Van. (Dist.)	Pitt Meadows	Port Coquitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
	$	$ 55,593	$334,500	$223,034	$ 51,403	$2,204,258	$	$ 71,228	$	$186,434
		127,887								
					882,172					
									93,097	
55,852	416,892								380,010	
					96,328		41,729	7,093,138		
				611						
								4,515		
				3,972						
				999				38,427		
				3,730						
8,167	12,890	1,042	4,242	2,815	26,595	28,400	674	115,514	11,749	2,353
569	897		295	196	1,852	1,977	47	8,041	819	164
31,588	49,858	4,031	16,406	10,887	102,866	109,849	2,608	446,793	45,442	9,100
306,176	$480,537	$188,553	$355,443	$246,244	$1,161,216	$2,344,484	$45,058	$7,777,656	$531,117	$198,051

Schedule 5

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Interest and Debt Retirement Charges For Financing Under Section 7(2) Year Ending December 31, 1991

		Requirements for the Year Ending December 31, 1991	(Underexpended) Overexpended in 1990	1991 Levy
District of Burnaby	7	$ 50,840	$ (7,117)	$ 43,723
	8	20,462		20,462
		71,302	(7,117)	64,185
District of Coquitlam	5	13,890	(1,574)	12,316
	6	58,521		58,521
	7	15,990		15,990
	8	15,715		15,715
	9	35,680		35,680
	10	45,384		45,384
		185,180	(1,574)	183,606
District of North Vancouver	2	23,732	(3,324)	20,408
Township of Richmond	1	22,853	(1,598)	21,255
	2	14,124	(985)	13,139
	4	95,213		95,213
	5	37,339		37,339
	6	43,670		43,670
		213,199	(2,583)	210,616
District of West Vancouver	6	11,473		11,473
	7	363,912	(18,413)	345,499
	8	140,477		140,477
		515,862	(18,413)	497,449
		$1,009,275	$(33,011)	$976,264

Schedule 6

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Administration and General Expense Budget Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Administration				
Allocated from Greater Vancouver Regional District				
- Administration offices	$ 177,650	$ 190,658	$ 177,950	$ 177,950
- Property division	206,600	318,116	235,502	235,502
- General Administrative Services	230,180	205,595	250,920	250,920
- Central administrative services	57,952	53,800	55,795	55,795
Sewerage Area assessment database	12,152	10,769	9,040	9,040
Engineering administration	408,295	409,116	267,406	407,406
O&M evaluation program			150,000	150,000
Maintenance audits			200,000	200,000
	1,092,829	1,188,054	1,346,613	1,486,613
General				
Legal	10,820	4,629	11,809	11,809
Audit	13,000	18,417	14,262	14,262
Travel	3,375		3,577	3,577
Miscellaneous	2,924	6,344	3,292	3,292
	30,119	29,390	32,940	32,940
TOTAL	$1,122,948	$1,217,444	$1,379,553	$1,519,553

Schedule 7

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Operation & Maintenance Budget
By Program
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Sewer Treatment Plants					
Annacis Island STP	8(a)	$ 3,225,814	$ 3,191,523	$ 3,626,749	$ 3,537,011
Northwest Langley STP		260,000	259,735	408,868	408,868
Iona Island STP	8(a)	4,177,219	4,235,539	4,503,583	4,538,466
Lions Gate STP	8(a)	1,305,890	1,268,389	1,333,671	1,437,942
Lulu Island STP	8(a)	1,132,211	1,184,016	1,214,914	1,221,198
Sub-total		10,101,134	10,139,202	11,187,785	11,143,485
Pumping Stations	8(b)	2,295,064	2,222,244	2,558,240	2,538,232
Trunks & Interceptors	8(c)	1,202,432	1,528,355	1,481,668	1,427,978
Drainage Facilities	8(d)	359,808	308,332	446,769	446,769
General Maintenance		415,819	417,391	691,633	689,418
Engineering	8(e)	209,955	134,567	172,825	193,038
Quality Control	8(f)	1,018,026	916,885	1,246,775	1,246,775
Source Control	8(g)	1,101,600	1,022,601	1,215,600	1,003,900
		$16,703,838	$16,689,577	$19,001,295	$18,689,595

Schedule 8

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
By Object of Expenditure
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries, wages & employee benefits	$ 8,057,941	$ 7,614,715	$ 9,703,754	$ 9,384,519
Materials & supplies	1,633,859	1,489,155	1,652,511	1,766,395
Other services	271,204	272,653	337,360	325,782
Contracted services	260,000	300,591	408,868	293,100
Consultants	217,179	219,386	231,614	305,151
Vehicle & equipment rentals	682,636	890,054	808,287	773,306
Repairs & maintenance	221,335	243,749	309,950	464,954
Fuel oil & lubricants	291,367	408,464	308,015	308,015
Natural gas	108,459	128,515	117,820	117,820
Electricity	2,146,931	2,231,741	2,273,840	2,273,838
Chlorine & sulphur dioxide	279,630	276,881	296,407	290,831
Water	205,920	231,222	205,764	205,764
Telephone	45,762	53,541	43,370	43,369
Insurance	125,000	78,334	74,600	74,600
Janitor services		4,446		
Land taxes & rentals	345,748	199,314	203,954	231,869
Provision for equipment replacement	40,100	26,340	32,100	32,100
Costs allocated				
Beach yard control system	192,014	192,296	273,500	273,500
Radio communications	65,436	65,442	52,100	52,100
Central Laboratory costs allocated	171,200	240,240	217,015	217,015
Indirect departmental costs	1,445,078	1,660,567	2,388,385	2,174,831
	16,806,799	16,827,646	19,939,214	19,608,859
Less: Recoveries	(102,960)	(138,069)	(937,919)	(919,264)
	$16,703,838	$16,689,577	$19,001,295	$18,689,595

Schedule 8(a)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Annacis Island Sewage Treatment Plant

Purpose/Level of Activity

The annual budget provides the funds necessary to operate and maintain the Annacis Island Sewage Treatment Plant, including primary treatment of sewage and processing of sludge.

Service is provided for Burnaby, Coquitlam, Delta, Langley City, Maple Ridge, New Westminster, Pitt Meadows, Port Coquitlam, Port Moody, Surrey, White Rock and portions of Vancouver, East Richmond and Langley District.

The North-West Langley Sewage Treatment Plant is also funded for 1991 as noted below. This plant is owned by the Greater Vancouver Sewerage & Drainage District but continues to be operated by Langley Township.

Temporary summer help will be employed to assist in odour control measures and assist in plant upgrading.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$1,547,032	$1,549,670	$1,804,308	$1,760,008
Vehicles & equipment rentals	114,100	161,481	125,263	111,931
Natural Gas	6,299	1,968	6,677	6,677
Electricity	350,000	339,031	371,000	371,000
Chlorine & sulphur dioxide	180,079	198,216	190,884	185,308
Water	77,000	87,419	77,000	77,000
Purchased repairs & maintenance	38,414	37,239	40,719	40,719
Parts, materials & supplies	528,286	402,502	528,859	553,536
Lubricants	29,492	24,931	31,262	31,262
Fuel Oil	7,874	12,985	8,347	8,347
Other services	24,655	35,432	38,134	38,133
Insurance	27,600	25,223	24,000	24,000
Telephone	6,000	8,643	6,000	6,000
contract Services		7,658		9,232
Provision for equipment replacement	5,500	13,519	5,500	15,500
Indirect departmental costs allocated	283,483	285,606	368,796	298,358
	3,225,814	3,191,523	3,626,749	3,537,011
North-West Langley Sewage Treatment Plant	260,000	259,735	408,868	408,868
	$3,485,814	$3,451,258	$4,035,617	$3,945,879

Schedule 8(a) RESTATED
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Iona Island Sewage Treatment Plant

Purpose/Level of Activity

The annual budget provides the funds necessary to operate and maintain the Iona Island Sewage Treatment Plant, including primary treatment of sewage and processing of sludge.

Service is provided for Vancouver, the University Endowment Lands, portions of Burnaby, Richmond (Twigg/Mitchell Islands), and Vancouver International Airport.

Temporary summer help will be employed to assist in odour control measures and assist in plant upgrading.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$2,159,326	$2,041,458	$2,370,882	$2,370,882
Vehicles & equipment rentals	160,450	230,346	193,924	193,924
Water	60,000	65,579	60,000	60,000
Telephone	6,056	7,721	6,060	6,060
Insurance	31,800	35,899	34,800	34,800
Consultants		156		10,000
Purchased repairs & maintenance	74,911	121,759	79,405	79,405
Parts, materials & supplies	487,369	443,902	501,993	516,993
Fuel oil	146,935	192,860	155,751	155,751
Natural Gas	75,000	88,835	79,500	79,500
Janitor service		4,446		
Other services	24,048	60,117	52,491	52,490
Property taxes & land rentals	24,522	25,719	25,993	25,993
Electricity	525,000	642,399	556,500	556,500
Provision for equipment replacement	17,000	6,644	17,000	17,000
Indirect departmental costs allocated	386,407	330,440	478,402	388,285
	4,178,824	4,298,280	4,612,701	4,547,583
Less: Recoveries	(1,605)	(62,741)	(9,118)	(9,117)
TOTAL	$4,177,219	$4,235,539	$4,603,583	$4,538,466

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Lions Gate Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in West Vancouver, and in the City and District of North Vancouver.

Temporary summer help will be employed to assist in odour control measures and assist in plant upgrading.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 485,119	$ 514,338	$ 531,797	$ 531,797
Vehicles & equipment rentals	36,400	67,480	63,589	63,589
Natural Gas	5,000	23,101	10,300	10,300
Electricity	135,200	133,812	143,312	143,312
Chlorine & sulphur dioxide	32,059	21,824	33,982	33,982
Water	32,416	32,416	32,416	32,416
Purchased repairs & maintenance	12,500	30,921	49,250	79,250
Parts, materials & supplies	201,373	185,773	163,330	218,330
Lubricants	6,299	7,392	6,677	6,677
Fuel Oil	3,000	1,789	3,180	3,180
Other services	33,486	23,868	49,752	49,752
Insurance	10,700	9,307	8,700	8,700
Property Taxes	10,516	9,801	11,147	11,147
Telephone	3,056	5,077	3,060	3,060
Contract services		968		
Consultants	520	1,458	568	10,568
Land and Building Rental	200,000	108,184	110,978	140,978
Provision for equipment replacement	3,000	1,851	3,000	3,000
Indirect departmental costs allocated	95,246	89,029	108,633	87,904
	$1,305,890	$1,268,389	$1,333,671	$1,437,942

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Lulu Island Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in the West End of Richmond.

Temporary summer help will be employed to assist in odour control measures and assist in plant upgrading.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 453,031	$ 456,825	$ 494,884	$ 494,884
Vehicles & equipment rentals	29,550	60,301	52,756	52,756
Natural Gas	19,685	14,611	20,866	20,866
Electricity	138,921	163,347	147,256	147,256
Chlorine & sulphur dioxide	67,492	56,841	71,541	71,541
Water	26,000	29,854	26,000	26,000
Purchased repairs & maintenance	57,962	9,266	61,439	61,439
Parts, materials & supplies	142,964	114,358	111,357	126,357
Lubricants	3,245	2,876	3,439	3,439
Fuel Oil	84,365	157,991	89,427	89,427
Other services	10,319	22,933	22,938	22,938
Consultants		39		10,000
Insurance	7,100	6,698	7,100	7,100
Property Taxes	34		36	36
Telephone	5,500	7,769	5,500	5,500
Provision for equipment replacement	2,600	3,784	2,600	2,600
Indirect departmental costs allocated	83,443	76,523	97,775	79,059
	$1,132,211	$1,184,016	$1,214,914	$1,221,198

Schedule 8(b)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Pumping Stations

Purpose/Level of Activity

The transportation system includes 34 separate pumping stations ranging in size from stations of one or two low horsepower pumps serving a limited area to line stations housing multiple units of several hundred horsepower. The stations are in continuous automatic operation. The program to replace or upgrade some pumping units to handle increased flows will continue also. An increased level of maintenance will be required at five pump stations where emergency generators will be installed in 1991. Improvements will be made to the ventilation system at some stations to increase workers safety.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 819,924	$ 756,876	$ 937,257	$ 927,138
Vehicles & equipment rentals	79,982	97,016	85,781	84,500
Electricity	989,298	944,155	1,048,656	1,045,861
Water	10,348	15,953	10,348	10,315
Purchased repairs & maintenance	20,415	21,111	21,640	21,636
Parts, materials & supplies	120,010	137,639	122,045	119,585
Lubricants	1,743		1,848	1,848
Fuel Oil	4,348	2,923	4,609	4,609
Other services	12,124	3,392	12,852	12,731
Property Taxes	2,766	5,709	2,932	2,928
Telephone	19,500	19,212	19,500	19,471
Indirect departmental costs allocated	214,606	218,258	290,772	287,610
	$2,295,064	$2,222,244	$2,558,240	$2,538,232

Schedule 8(c)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Trunks & Interceptors

Purpose/Level of Activity

The expenditures associated with inspecting, operating and maintaining the gravity sewers, control structures and forcemains in each of the four sewerage areas are collectively included in this category. The sewer cleaning program instituted last year will continue. The increased level of repairs which was experienced in 1990 is expected to continue.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 709,875	$ 752,809	$ 860,006	$ 796,435
Vehicles & equipment rentals	144,839	220,087	167,103	168,375
Electricity	4,550	6,496	4,823	7,616
Purchased repairs & maintenance	2,544	4,423	2,697	2,703
Parts, materials & supplies	58,672	131,123	69,104	71,597
Lubricants	748		793	793
Fuel Oil	1,687	2,438	1,788	1,788
Other services	14,917	40,408	15,812	15,934
Insurance		337		
Property Taxes	39,987	36,386	42,387	42,390
Telephone	600	1,430	600	629
Contract services		7,200		
Consultants		75,446		
Provision for equipment replacement		543		
Indirect departmental costs allocated	224,013	251,515	316,555	319,718
	1,202,432	1,530,641	1,481,668	1,427,978
Less: Recoveries		(2,286)		
	$1,202,432	$1,528,355	$1,481,668	$1,427,978

Schedule 8(d)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Drainage Facilities

Purpose/Level of Activity

Routine maintenance of drainage facilities consists of gravel and debris removal, brush cutting, repairs to drainage channels, restoration of flood scour damage and the upkeep of structures designed to trap sediments and debris transported during flood flows. Improvements to the Port Moody/Coquitlam Drainage area watercourses will continue in order to reduce the risk of flooding in the area. Flow control gates installed in 1935 at Cariboo Dam, which regulates the level of Burnaby Lake, will be repaired and upgraded.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$218,310	$161,239	$236,669	$236,669
Vehicles & equipment rentals	41,471	21,451	44,849	44,849
Natural Gas	450		477	477
Electricity	2,163	2,501	2,293	2,293
Purchased repairs & maintenance	562	18,081	40,596	40,596
Parts, materials & supplies	12,485	14,598	18,259	18,259
Fuel Oil	844	150	894	894
Other services	4,153	2,365	4,403	4,403
Contract services		12,850		
Property Taxes	7,922	13,488	8,397	8,397
Telephone	1,650	3,169	1,650	1,650
Consultants	2,080	619	2,271	2,271
Indirect departmental costs allocated	67,718	57,821	86,011	86,011
	$359,808	$308,332	$446,769	$446,769

Schedule 8(e)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Engineering

Purpose/Level of Activity

The engineering program covers engineering investigations of a broad nature related to the operation and maintenance of the sewerage and drainage system. Activities include investigating requests and proposals from municipalities, regulatory agencies, developers and private individuals; sludge disposal methods and alternatives; environmental studies; rainfall analysis for design and operational purposes; computer applications and other improvements in operations and maintenance methods.

Activity will continue in 1991 on sludge disposal investigations for the four treatment plants, environmental studies on Sturgeon Bank for the Iona Island Treatment Plant, engineering investigations for the four sewerage areas, preventative maintenance programs, sewer corrosion investigations and repair methods, and upgrading of rainfall and sewer gauging systems.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 74,296	$ 47,676	$ 63,339	$ 72,643
Vehicles & equipment rentals	20,477	2,416	21,800	2,057
Parts, materials & supplies	7,368	3,171	7,810	7,810
Fuel Oil		52		
Other services	7,430	5,489	8,016	7,982
Property Taxes				
Consultants	42,979	52,365	46,925	80,462
Indirect departmental costs allocated	57,405	23,398	24,935	22,084
	$209,955	$134,567	$172,825	$193,038

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Quality Control Program

Purpose

The purpose of this program is to determine characteristics of treated and untreated sewage at each of the four primary plants in order to evaluate the effectiveness of treatment and to comply with the requirements of the Waste Management permits for monitoring of effluent discharges. In addition, this program provides monitoring data on receiving water quality and metropolitan bathing beaches; provides laboratory, technical and analytical resources for identifying and solving problems within the Districts' collection and treatment facilities; provides project management for environmental studies and provides laboratory support for the District's Source Control program.

Level of Activity

Daily testing for various chemical and physical characteristics are undertaken at each sewage treatment plant laboratory. In 1990, sewage treatment plant laboratory technicians carried out approximately 50,000 analyses on influent and effluent sewage, sludge, and digester gas samples. In addition, main laboratory personnel performed approximately 14,000 analyses related to sewage treatment monitoring programs, source control activities, and special studies such as monitoring for sulphide in the sewer system and monitoring related to the sludge-silvaculture project. Laboratory activities related to the Source Control program will increase in 1991 when monitoring within the sewer system is undertaken by Chemistry laboratory staff. In addition, there will be a substantial commitment to the sludge-silvaculture program through 1991 and future years. Technical and laboratory support will continue to be provided for special projects.

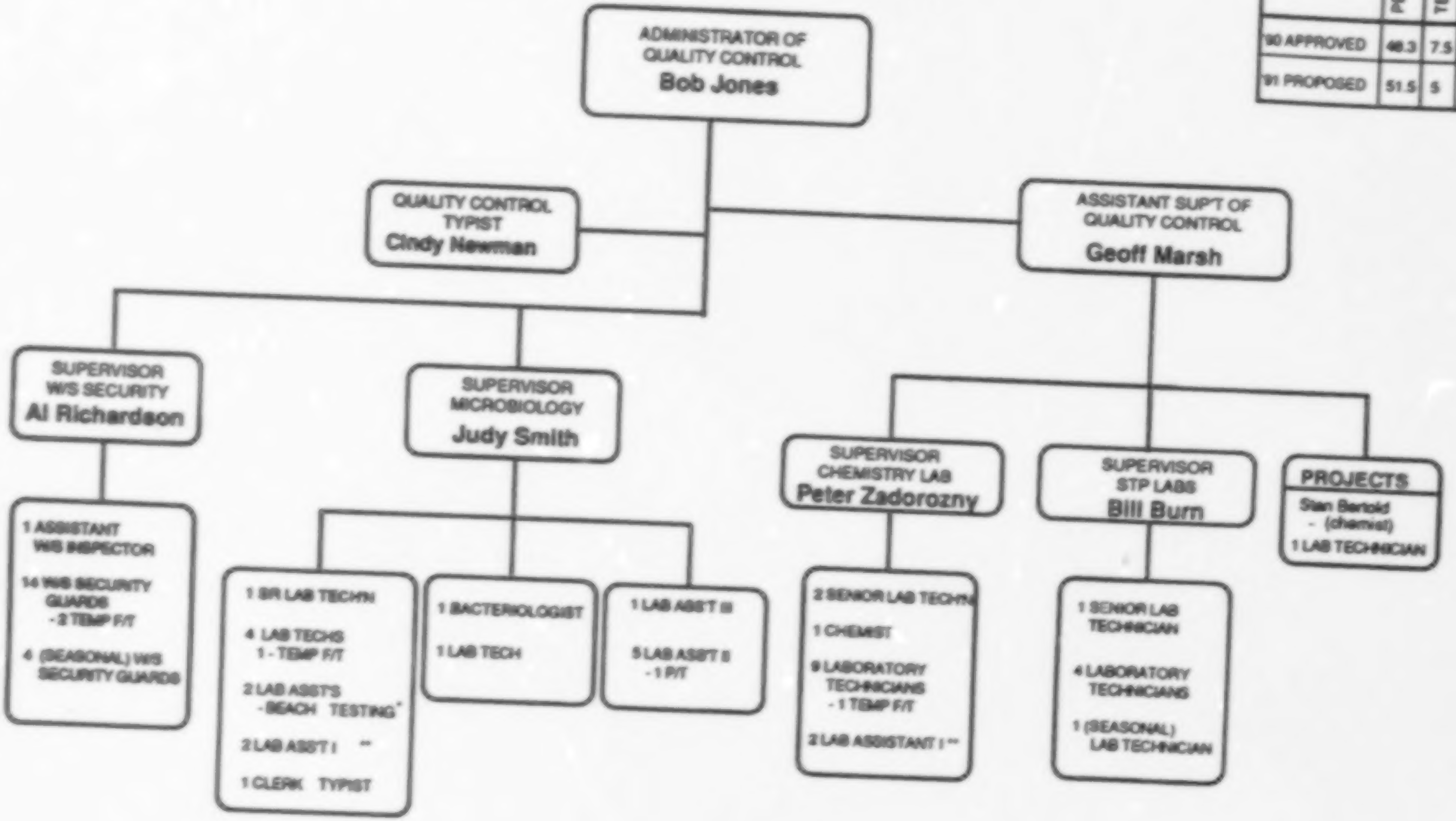
Monitoring programs for receiving water and metropolitan bathing beaches in 1990 involved the collection and analysis of approximately 6,000 samples for fecal coliforms and related parameters. At the request of the Medical Health Officer, 20% of these samples were analysed for the enterococci group of bacteria to help evaluate the usefulness of this indicator for bathing beach water quality. In this area, technical assistance and laboratory resources are provided to help identify specific problems, such as sporadic high fecal coliform results in the Deep Cove area. Over 1,100 samples from Deep Cove were analyzed by the GVRD laboratory during 1990. In 1991 and subsequent years, monitoring of the receiving waters will be done on a year round basis to provide better information to liquid waste management programs.

In 1990, the Iona Deep Sea Outfall Environmental Monitoring Program included studies on chemical characterization and toxicity evaluation of sediments near the discharge zone of the deep sea outfall. The 1990 program also provided limited infaunal community health information. In 1991 the environmental monitoring program will be repeated with special emphasis placed on the infaunal community health information and will include studies of organic contaminants (in effluent) as a follow up to work conducted in 1986, 1987 and 1989.

ORGANIZATIONAL CHART
- QUALITY CONTROL -

DEPARTMENT TOTAL

	PERM. F/T	TEMP. F/T	SEASONAL***
'90 APPROVED	48.3	7.5	2.4
'91 PROPOSED	51.5	5	3.2



ADMINISTRATOR OF QUALITY CONTROL
Bob Jones

QUALITY CONTROL TYPIST
Cindy Newman

ASSISTANT SUP'T OF QUALITY CONTROL
Geoff Marsh

SUPERVISOR W/S SECURITY
Al Richardson

1 ASSISTANT W/S INSPECTOR
14 W/S SECURITY GUARDS - 2 TEMP F/T
4 (SEASONAL) W/S SECURITY GUARDS

SUPERVISOR MICROBIOLOGY
Judy Smith

1 SR LAB TECHN
4 LAB TECHS 1 - TEMP F/T
2 LAB ASST'S - BEACH TESTING*
2 LAB ASST'T I **
1 CLERK TYPIST

1 BACTERIOLOGIST
1 LAB TECH

1 LAB ASS'T III
5 LAB ASS'T II - 1 P/T

SUPERVISOR CHEMISTRY LAB
Peter Zadorozny

2 SENIOR LAB TECHN
1 CHEMIST
9 LABORATORY TECHNICIANS - 1 TEMP F/T
2 LAB ASSISTANT I **

SUPERVISOR STP LABS
Bill Burn

1 SENIOR LAB TECHNICIAN
4 LABORATORY TECHNICIANS
1 (SEASONAL) LAB TECHNICIAN

PROJECTS
Stan Bertold - (chemist)
1 LAB TECHNICIAN

* SEASONAL
** SHARED
*** F/T EQUIVALENTS

OCTOBER 1990

Schedule 8(f)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Quality Control

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries, wages & employee benefits	$ 470,550	$ 456,278	$ 599,449	$ 599,449
Materials & supplies	36,336	46,470	101,806	101,806
Other services	95,826	60,239	40,888	40,888
Vehicle & equipment rentals	7,807	12,752	20,889	20,889
Consultants	150,000	88,063	158,250	158,250
Indirect departmental costs	257,507	253,083	325,493	325,493
	$1,018,026	$ 916,885	$1,246,775	$1,246,775

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SOURCE CONTROL PROGRAM

Purpose

To optimize the use of the District's sewage facilities by commercial and industrial dischargers, consistent with the protection of the:

- environment,
- health and safety of sewer workers and general public,
- sewer works and sewage treatment processes.

Historical Development

The Source Control Program was initiated in 1971 and was first restricted to the control of direct discharges into the District's sewers. As the GVS&DD acquired more authority under the Waste Management Act, the Source Control program has been improved upon and augmented to include control of indirect discharges, via municipal sewers.

The recently passed GVS&DD Sewer Use Bylaw No. 164 is a milestone in the development of the Source Control Program. The Bylaw is an effective tool to control and regulate direct and indirect discharges to sewers within the boundaries of the sewerage district.

Source Control Staff

The District's Source Control Program is carried out by the Air Quality and Source Control Department with input from other departmental divisions such as Quality Control, Sewers, and Sewage Treatment Plants.

The program incorporates engineering evaluation of discharges, field inspection and compliance assessment, discharge and sewer sampling services and laboratory analysis of discharge samples and treatment plant influent.

Staffing and equipment resources have been added to the Source Control Program to fully implement the requirements of the new Sewer Use Bylaw. In accordance with Section 9. of the Bylaw, a system of permit fees will be implemented to recover these additional regulatory costs. The issue of contaminant surcharge fees will also be reviewed in 1991 and reported to the Administration Board.

Activities under the Source Control Program

- Enforce the requirements of the GVS&DD Sewer Use Bylaw 164.
- Review applications for discharges to sewers.
- Issue Waste Discharge Permits under GVS&DD Sewer Use Bylaw 164.
- Issue Orders under the Waste Management Act.
- Develop codes of practices for industrial and commercial sectors.
- Monitor compliance with GVS&DD Bylaw 164, Waste Discharge Permits, and Orders.
- Monitor the use of trucked waste disposal facilities.
- Investigate episodes related to: operational upsets of the sewage treatment plants, unusual plant influent & effluent quality, and sewage sludge quality.
- Investigate operational problems and complaints about sewers operation.

Activities under the Source Control Program (continued)

- Authorize batch discharges of industrial wastes.
- Investigate spills & unreported batch discharges.
- Enforce spills contingency plans.
- Provide technical assistance to industrial dischargers implementing pre-treatment to meet the sewer discharge criteria.
- Interact with and provide assistance to City of Vancouver staff involved in administering the GVS&DD Sewer Use Bylaw 164.
- Coordinate input from member municipalities in assisting with GVS&DD Sewer Use Bylaw 164 implementation.
- Provide information to sewer users and municipalities on the requirements of the GVS&DD Sewer Use Bylaw 164 and all aspects of the Source Control Program.

Objectives for 1991

- Issue Waste Management Permits to dischargers requiring them under Bylaw 164.
- Adopt Codes of Practices to regulate general commercial & industrial sectors.
- Complete discharge compliance programs for metal-finishing industry effluents.
- Assure uniform implementation of Bylaw 164 in all member municipalities.
- Implement a permit fee system for recovery of regulatory program costs.
- Evaluate the implementation of a surcharge fee for selected contaminants.
- Implement a monitoring program of key manholes to evaluate waste distribution.
- Evaluate the results of better control of sewer discharges.

Review of Prior Year's Objective

- The comments of municipalities & senior governments to the draft Sewer Use Bylaw were reviewed and considered in drafting the final Sewer Use Bylaw.
- The GVS&DD Sewer Use Bylaw No. 164 was passed by the Board on June 27th, 1990.
- Implementation of the Bylaw continues to be coordinated with member municipalities and a uniform level of enforcement is applied to all areas.
- The status of some industries affected by the Special Waste Regulation has been clarified and this remains an ongoing task. The province has amended the Regulation to provide for the District's enforcement of these requirements.
- Compliance programs for the metal finishing industry were only partially completed due to adjacent consideration with the Special Waste Regulation.
- An initial assessment of the required staffing and resources to implement and enforce the Bylaw was completed and changes incorporated into the 1991 budget.

Schedule 8(g)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Source Control

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries, wages & employee benefits	$ 747,900	$ 713,612	$1,570,300	$1,315,100
Materials & supplies	4,000	6,670	14,400	14,400
Other services	52,600	33,555	87,500	70,500
Vehicle & equipment rentals	10,800	7,963	23,600	23,600
Indirect departmental costs	260,700	259,696	421,000	402,700
Equipment replacement provision	4,000		4,000	4,000
Consultants	21,600	1,105	23,600	23,600
	1,101,600	1,022,601	2,144,400	1,853,900
Less: Recoveries			(926,800)	(850,000)
	$1,101,600	$1,022,601	$1,215,600	$1,003,900

Schedule 9

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Operation & Maintenance Expenses Year Ending December 31, 1991

1990 Actual		Requirements for the Year Ending December 31, 1991	(Underexpended) Overexpended in 1990	1991 Levy
	Sewerage Areas			
$6,486,301	Fraser	$7,179,067	$96,420	$7,275,487
1,660,854	Lulu Island West	1,708,157	(1,833)	1,706,324
1,954,643	North Shore	2,120,722	46,150	2,166,872
5,519,618	Vancouver	6,077,364	(91,945)	5,985,419
	Drainage Areas			
14,078	Byrne Road	800	(207)	593
26,906	Kyle Street	33,656	(3,610)	30,046
20,476	Schoolhouse Creek	23,548	(397)	23,151
228,018	Still Creek-Brunette River	352,712	(47,594)	305,118
382	University	999	(495)	504
32,550	William Street	35,854	620	36,474
	General			
287,869	Pollution Monitoring	436,015	(16,276)	419,739
457,882	Miscellaneous	720,701	4,906	725,607
$16,689,577		$18,689,595	$(14,261)	$18,675,334

Schedule 9

Burnaby	Coquitlam	Delta	Langley (City)	Langley (District)	Maple Ridge	New Westminster	N. Van. (City)	N. Van. (Dist.)	Pitt Meadows	Port Coquitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
$1,464,399	$784,127	$897,808	$198,587	$393,611	$276,786	$478,645	$	$	$49,459	$297,597	$198,428	$ 45,732	$1,961,072	$	$ 63,371	$	$165,865
												1,706,324					
							542,051	850,010								774,811	
												73,597		31,882	5,419,340		
460,600																	
592						1											
	14,543										15,503						
	9,476										13,675						
221,131	20,400					4,079					1,508				58,000		
														504			
	15,210										21,264						
43,928	16,070	20,085	4,055	10,138	6,982	9,774	11,757	18,557	1,500	6,106	4,052	38,286	40,885	971	166,293	16,913	3,387
75,938	27,781	34,721	7,010	17,526	12,070	16,897	20,324	32,079	2,594	10,556	7,005	66,185	70,678	1,678	287,472	29,238	5,855
$2,266,588	$887,607	$952,614	$209,652	$421,275	$295,838	$509,396	$574,132	$900,646	$53,553	$314,259	$261,435	$1,930,124	$2,072,635	$35,035	$5,994,476	$820,962	$175,107

Schedule 10

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Fraser Sewerage Area				
Annacis Is. Sewage Treatment Plant	$3,225,814	$3,191,523	$3,626,749	$3,537,011
Annacis Is. laboratory	130,023	125,867	153,256	153,256
Interceptors & trunk sewers	812,170	1,057,166	1,044,053	990,363
Pumping stations	1,363,754	1,323,882	1,510,174	1,534,235
Engineering	71,888	23,130	30,541	48,541
Sludge disposal investigations	40,832	37,593	41,952	9,165
Sewer use control	485,400	467,405	604,329	496,375
	6,129,881	6,226,566	7,011,054	6,768,946
North-West Langley Sewage Treatment Plant	260,000	259,735	408,868	408,868
	6,389,881	6,486,301	7,419,922	7,177,814
Lulu Island West Sewerage Area				
Lulu Is. Sewage Treatment Plant	1,132,211	1,184,016	1,214,914	1,221,198
Lulu Is. laboratory	131,970	124,329	148,457	148,457
Trunk sewers	12,166	8,126	13,721	13,721
Pumping stations	91,183	79,501	105,678	57,582
Engineering	1,957		6,165	6,165
Sludge disposal investigations	10,000	7,800	10,918	5,918
Sewer use control	283,200	257,082	297,744	255,115
	1,662,687	1,660,854	1,797,597	1,708,156
North Shore Sewerage Area				
Lions Gate Sewage Treatment Plant	1,305,890	1,268,389	1,333,671	1,437,942
Lions Gate laboratory	123,301	116,129	143,527	143,527
Pumping Stations	260,742	271,020	291,311	291,311
Interceptors	89,046	190,525	98,603	98,603
Engineering	3,014	176	12,216	12,216
Sludge disposal investigations	10,000	9,364	10,918	25,918
Sewer use control	116,500	99,040	119,778	111,205
	1,908,493	1,954,643	2,010,024	2,120,722
Vancouver Sewerage Area				
Iona Is. Sewage Treatment Plant	4,177,219	4,235,539	4,603,583	4,538,466
Iona Is. outfall, channel, jetty, roads & wharves	7,856	2,810	8,612	6,398
Iona Is. laboratory	140,872	133,341	169,279	169,279
Pumping stations	565,100	533,763	632,927	654,302
Interceptors & trunk sewers	289,050	272,537	325,291	325,291
Engineering	17,251	4,843	11,517	11,517
Sludge Disposal Investigations	10,000	8,361	10,918	35,918
Sewer use control	216,500	199,074	193,749	141,205
Deep Sea Outfall Monitoring	187,715	129,350	196,241	196,241
	5,611,563	5,519,618	6,152,117	6,078,617

Schedule 10
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Byrne Road Drainage Area				
Willard St. Pumping Station	14,285	14,078	18,150	800
Kyle Street Drainage Area				
Trunk drain	30,516	26,906	33,656	33,656
Schoolhouse Creek Drainage Area				
Schoolhouse Creek	20,873	20,476	23,548	23,548
Still Creek - Brunette River Drainage Area				
Brunette River & Burnaby Lake	115,540	106,787	174,969	174,969
Stoney Creek	37,481	35,959	42,345	42,345
Still Creek	105,355	67,143	116,096	116,096
Lozells Creek	17,236	18,129	19,302	19,302
	275,612	228,018	352,712	352,712
University Drainage Area				
Shaft & tunnel	877	382	999	999
William Street Drainage Area				
Trunk drain	31,930	32,550	35,854	35,854
Pollution Monitoring	304,145	287,869	436,015	436,016
Miscellaneous				
Rain, sewer & stream gauges	133,071	125,213	131,979	131,979
Radio communications	65,436	65,442	52,100	52,100
Beach yard control system	192,014	192,296	273,500	273,500
Technical services	62,455	74,931	263,122	263,122
	452,976	457,882	720,701	720,701
TOTAL	$16,703,838	$16,689,577	$19,001,295	$18,689,595

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SOLID WASTE FUNCTION

Long Term and On-going Role

In 1985, the Greater Vancouver Regional Solid Waste Management Plan was approved by the Minister of Environment as a long-term plan for the regional management of solid waste. The Plan called for two landfills (Burns Bog and Port Mann) and provides for establishment of recycling plants, waste transfer stations, an incinerator with energy recovery and the promotion of waste reduction and recycling. All facilities are of a long-term nature except Port Mann Landfill which is expected to close in early 1994. Originally, it was anticipated this landfill may last through 1996, but it will close sooner due to the rapid growth in Surrey.

To provide long-term waste disposal for the eastern portion of the Region, Cache Creek Landfill was established and agreements with the Eastern Municipalities, (Township of Langley, Langley City, Pitt Meadows, Maple Ridge, Abbotsford and Matsqui), the Village of Cache Creek and a landfill operator were concluded in 1987 and 1988.

Due to physical need and the public expectation that there be a more aggressive approach to waste reduction and recycling, in September 1989 the Board approved the GVRD Recycling Action Plan (RAP). This plan is an implementation plan designed to meet the goals set by the region for waste reduction and recycling. The Plan includes:

- municipal recycling at curbside and in apartments;
- Regional processing and marketing of municipally-collected recyclables;
- Regional composting of organic yard and kitchen wastes;
- promotion of greater recycling from the industrial/commercial/institutional (ICI) sector; and
- expanded education and promotion programs.

The long-term and on-going role of the District's solid waste function is to provide environmentally-sound and cost-effective waste management in accordance with existing legislation and environmental standards. To fulfill this role and to meet the new provincial legislation mandating 30% waste reduction by 1995 and 50% by the year 2000 and draft provincial operating standards for landfilling, incineration and composting, the 1985 solid waste management plan must be reviewed and updated and a plan produced which will provide a world class solid waste management system for the region. To meet these goals a Plan Review project manager has been hired and the review process commenced.

Under past legislation, the District did not have responsibility for disposal of special wastes such as biomedical waste. Pursuant to a new bill (Bill 58), regional districts and municipalities outside of regional districts have (as of August 11, 1989) responsibility for development and implementation of Biomedical Waste Management Plans to assure proper disposal of biomedical wastes generated within their areas. The District is working jointly with the Province and others to produce a regional and province-wide solution.

1991 Short-term Objectives

- In conjunction with the Province and others, undertake a comprehensive review of the 1985 Solid Waste Management Plan.
- Continue implemention of the Recycling Action Plan and expansion of that program as necessary to meet the Provincially mandated goals for waste reduction and recycling of 30% by 1995 and 50% by 2000.
- Expand efforts to reduce the volume of wood waste going to landfills.
- In cooperation with the Province, commence implemention of bans on disposal of cardboard and recyclable wood.
- In cooperation with Coquitlam, develop a detailed plan for short and long-term usage of Coquitlam Landfill.

1991 Objectives for the Year

- Continue to develop a program with the Province and member municipalities for proper management of household hazardous wastes.
- Establish methods for utilization, stabilization and/or disposal of incinerator fly and bottom ash.
- Complete excavation and lining of future stages of the Cache Creek Landfill.
- Establish or foster the establishment by others of a program to deal with problem wastes such as: asbestos, tires, dead animals, large objects, and the like.
- In co-operation with the Ministry of Environment and others, continue with the study to find a long-term solution for the disposal of construction, demolition and land-clearing waste produced in the Region.

1991 Capital Program

Capital Works for 1991 include a turbo-generator, water storage, and fly ash stabilization plant and equipment at the Burnaby RIP, acquisition of land for the Surrey Recycling Centre and improvements at Coquitlam Landfill.

Capital costs may also be incurred for the implementation of facilities called for in the Recycling Action Plan. Specific capital costs have not been identified for these facilities, as decisions must yet be made on whether such facilities will be municipal or regional undertakings.

Capital costs may also be incurred in connection with the provision of facilities to deal with the disposal of biomedical waste, but no specific allowances are included due to the uncertainty as to who will own and finance these.

Research and Development

The solid waste budget for 1990 and previous years recognized the need to provide monies to cover the costs of research and development for waste disposal problems of a general nature which are referred to the District for resolution, viz., District portion of costs for biomedical waste study, disposal of household hazardous waste, disposal of gypsum, tires, new technology acquisition and the like. All of the aforesaid issues are of Regional interest and benefit and, accordingly, the costs for them are borne by all members of the District. A budget of $40,000 has been provided to cover the cost of these activities in 1991.

Recovery of Solid Waste Costs

Costs for waste disposal are recovered through imposition of a tipping fee, the Regional Rate, on all waste disposed of in the region. The Regional Rate for waste disposal is the average of all costs to operate the Region's solid waste facilities including interest and debt retirement, operating costs, provision for equipment replacement and deficit or credit from the preceding year.

Schedule 11 attached shows the 1990 Final Budget, 1990 Actuals and the Final Revenue and Expenditure Budget for the District's Solid Waste function in 1991. A user fee of $52.00 per tonne will raise approximately $37,370,670 in revenue in 1990. The revenue generated by user fees in 1991 must increase to $49,504,859, with a corresponding Regional Rate of $69.00 per tonne.

The following presents a breakdown of the $17.00 per tonne increase in the user fee.

	Increase Relative to 1990	
	$/annum	$/tonne
- 1990 deficit carried forward	$ 3,878,000	$ 5.40
- Higher debt charges	2,472,000	3.45
- 6% inflation plus 3.5% net for GST	2,500,000	3.50
- Loss of net revenue-producing waste	2,200,000	3.10
- Additional transfer & environmental measures	600,000	0.85
- Other	500,000	.70
Total Increased Revenue Requirements	$12,150,000	$17.00

Actual revenues and costs are subject to significant swings due for the most part to increases and decreases in the amounts of waste received, the actual rate of debt financing and steam sale from the incinerator to Paperboard Industries. The above shows that actual year-end revenues and costs are subject to significant variables over which the District has minimal control. Since the capital works of the system are financed by short-term borrowings, the actual cost of debt retirement is subject to swings in the rate of financing. The District's annual costs are also based on an assumed waste flow structure and any variation in this can cause actual year-end costs to vary considerably, either up or down. At this point in time the District has no mechanism to regulate commercial waste flows throughout the regional system.

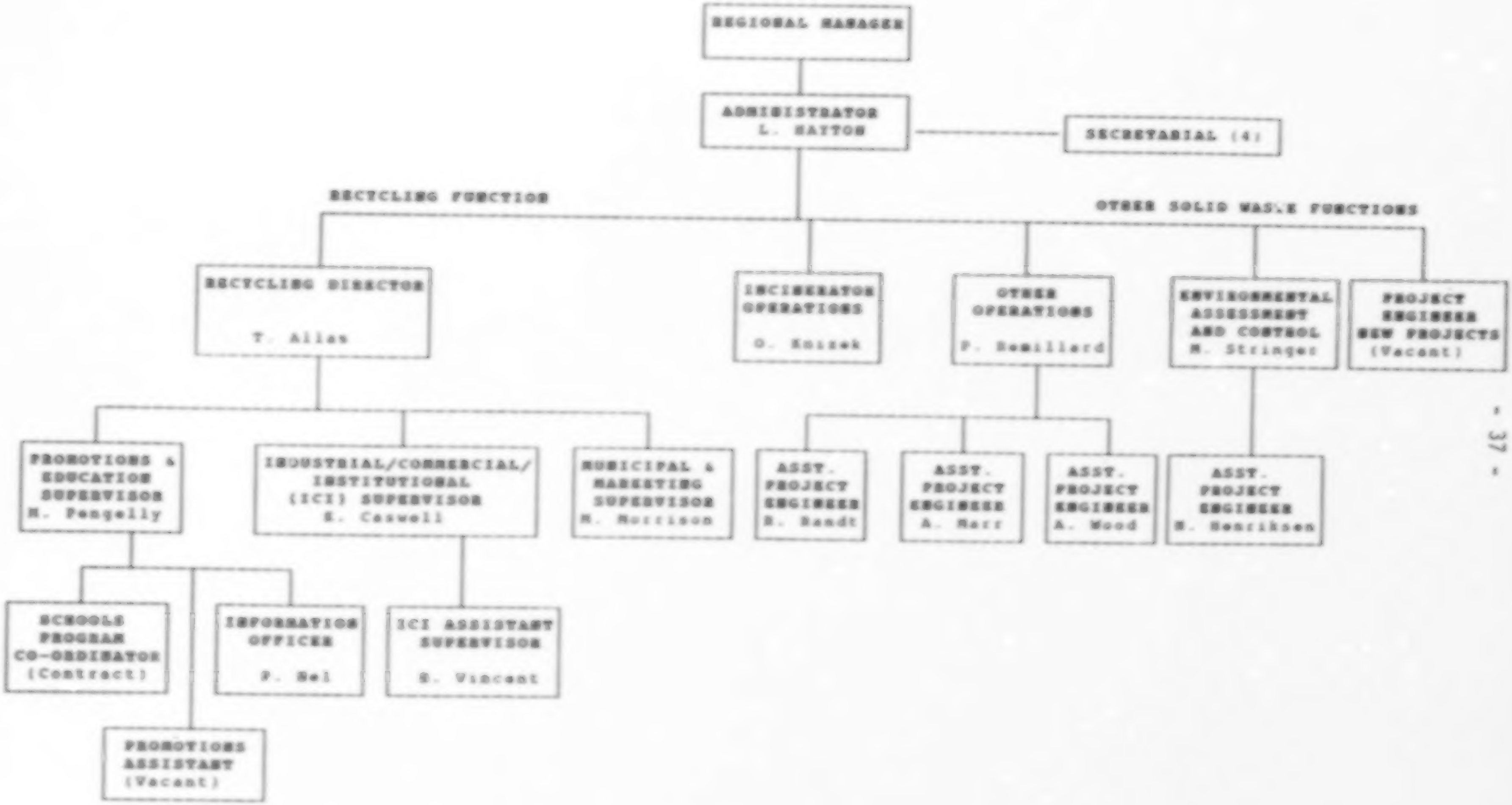
Costs for the District's waste reduction and recycling program centred on education and promotion, and the development of new regional initiatives are of benefit to all members, and are recovered from the tax requisition.

The 1991 recycling budget has been approved at $1,222,468 which compares to the request of $1,709,165. This has resulted in an overall reduction to the education and promotional programs provided to member municipalities. Rather than eliminate any specific program, since all are necessary for a viable regional program, cuts have been made in the major initiatives of school education, regional composting, municipal coordination/outreach and ICI recycling.

Costs for the Solid Waste Management Plan review have been budgeted for $350,000. These costs will be shared equally by the District and the Province. The District's costs are of benefit to all members and are recovered from the tax requisition.

SOLID WASTE

ORGANISATIONAL CHART


REGIONAL MANAGER
ADMINISTRATOR L. HATTON
SECRETARIAL (4)
RECYCLING FUNCTION
OTHER SOLID WASTE FUNCTIONS
RECYCLING DIRECTOR T. Allan
INCINERATOR OPERATIONS O. Knizek
OTHER OPERATIONS P. Remillard
ENVIRONMENTAL ASSESSMENT AND CONTROL M. Stringer
PROJECT ENGINEER NEW PROJECTS (Vacant)
PROMOTIONS & EDUCATION SUPERVISOR M. Pengelly
INDUSTRIAL/COMMERCIAL/INSTITUTIONAL (ICI) SUPERVISOR S. Caswell
MUNICIPAL & MARKETING SUPERVISOR M. Morrison
ASST. PROJECT ENGINEER B. Randt
ASST. PROJECT ENGINEER A. Marr
ASST. PROJECT ENGINEER A. Wood
ASST. PROJECT ENGINEER H. Henriksen
SCHOOLS PROGRAM CO-ORDINATOR (Contract)
INFORMATION OFFICER F. Bel
ICI ASSISTANT SUPERVISOR S. Vincent
PROMOTIONS ASSISTANT (Vacant)

Schedule 11

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Provisional Revenue & Expenditure Budget
Solid Waste Disposal
By Program
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Regional Rate				
User charges	$36,671,160	$37,358,448	$49,504,859	$49,504,859
Steam sales	2,400,000	2,162,012	2,200,000	2,200,000
Rental revenue	106,500	157,774	106,500	106,501
Balance from previous year	(1,467,393)	(1,467,393)	(3,559,439)	(3,877,947)
	$37,710,267	$38,210,841	$48,251,920	$47,933,413
Expenditures				
Operating costs				
Burnaby RIP (Sch.13b)	$ 8,810,856	$ 8,803,109	$10,002,527	$10,002,527
Transfer stations & landfills (Sch.13c)	17,704,233	20,129,838	23,582,214	23,582,214
	26,515,089	28,932,947	33,584,741	33,584,741
Debt Charges	10,106,994	10,967,999	13,782,135	13,463,628
Administration (Sch. 13a)	1,088,184	2,187,841	885,044	885,044
Total Expenditures	$37,710,267	$42,088,787	$48,251,920	$47,933,413
(Deficit) carried to following year		$(3,877,947)		
Tax Requisition				
Revenue	$ 876,798	$ 876,798	$ 1,815,235	$1,610,891
(Deficit) carried forward	(211,753)	(211,753)	(66,070)	(173,423)
	$ 665,045	$ 665,045	$ 1,749,165	$1,437,468
Expenditures				
Recycling Program (Sch.13d)	$ 611,234	$ 804,861	$ 1,709,165	$1,222,468
Research & Development	53,811	33,607	40,000	40,000
Solid Waste Management Plan				175,000
	$ 665,045	$ 838,468	$ 1,749,165	$1,437,468
(Deficit) carried fwd.		$ (173,423)		

Schedule 12

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Provisional Revenue & Expenditure Budget
Solid Waste Disposal
By Object of Expenditure
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 630,646	$ 609,914	$ 458,755	$
Contract services	22,832,601	25,808,120	28,010,241	
Royalties	367,765	738,620	426,400	
Board vehicles & mileage	31,812	40,850	33,900	
Consultants	157,400	177,558	247,400	
Materials & Supplies	534,897	724,482	823,600	
Central Administrative services allocated	151,100	160,000	166,619	
Indirect departmental costs	230,715	265,271	133,000	
Provision for equipment replacement	497,694	461,202	1,364,400	
Port Mann landfill usage	1,420,000	1,474,281	1,971,900	
Air pollution monitoring	210,000	228,715	227,800	
Legal Fees	82,400	19,926	82,000	
Property Taxes	168,500	85,951	168,500	
Other services & supplies	287,743	325,898	355,270	
	27,603,273	31,120,788	34,469,785	34,469,785
Debt Charges	10,106,994	10,967,999	13,782,135	13,463,628
	$37,710,267	$42,088,787	$48,251,920	$47,933,413

Schedule 13(a)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Plan Management & Administration
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 585,424	$ 578,537	$417,755	$
Board vehicles & mileage	13,000	36,104	16,000	
Consultants	20,000	144,933	110,000	
Materials & supplies	2,000	25,932	10,000	
Other services & supplies	97,600	181,218	47,870	
Contract Services		809,270		
CASA	151,100	160,000	166,619	
Indirect departmental costs	219,060	251,847	116,800	
	$1,088,184	$2,187,841	$885,044	$885,044

Schedule 13(b)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Refuse Incinerator
Summary by Object of Expenditure
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 5,690	$ 6,802	$ 6,400	$
Contract services	7,816,980	7,722,087	8,705,327	
Royalties	58,210	53,097	57,600	
Materials & Supplies	528,976	676,853	810,000	
Legal Fees	20,000	885	20,000	
Consultants	100,000	14,544	100,000	
Property Taxes	25,000	16,518	25,000	
Air pollution monitoring	210,000	228,715	220,000	
Other services & supplies	46,000	83,608	58,200	
Total	$8,810,856	$8,803,109	$10,002,527	$10,002,527

Schedule 13(c)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Resource Recovery, Transfer & Landfill Operations
Summary by Object of Expenditure
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benfits	$ 39,533	$ 24,575	$ 34,600	$
Contract services	15,015,621	17,276,763	19,304,914	
Royalties	309,555	685,523	368,800	
Board vehicles & mileage	18,812	4,746	17,900	
Consultants	37,400	18,081	37,400	
Materials & Supplies	3,921	21,697	3,600	
Property Taxes	143,500	69,433	143,500	
Legal Fees	62,400	19,041	62,000	
Other services & supplies	144,143	61,072	249,200	
Central Administrative services allocated	0	0	0	
Indirect departmental costs	11,655	13,424	16,200	
Provision for equipment replacement	497,694	461,202	1,364,400	
Surrey Provisions	1,420,000	1,474,281	1,971,900	
Air Pollution Monitoring	0	0	7,800	
Total	$17,704,233	$20,129,838	$23,582,214	$23,582,214

Schedule 13(d)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Recycling Operations
By Object of Expenditure
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$187,042	$127,452	$ 469,102	$327,415
Board vehicles & mileage		9,502	12,250	24,000
Consultants	150,000	340,120	285,000	324,656
Materials & supplies	10,088	71,054	268,847	26,328
Contract services		6,981	375,000	103,000
Other services	171,240	138,914	109,000	203,025
Advertising	5,200	60,280	8,000	16,600
Indirect departmental costs	80,875	50,558	163,381	163,000
	604,445	804,861	1,690,580	1,188,024
Debt charges	6,789		18,585	34,444
	$611,234	$804,861	$1,709,165	$1,222,468

Schedule 13(e)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Recycling Operations
By Program
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
General Administration	$611,234	$511,803	$ 740,580	$ 493,883
Recycle Month			45,000	30,000
Promotional Reprints		32,854		
Schools Program		139,975	250,000	180,000
Recycling Strategy		1,975		125,000
Matching Grants		1,000		5,000
Information Hotline		37,854		15,000
Trade Shows/Workshops		181		
Apartment Building Program		497		
Composting Program		74,702	200,000	100,000
Communications, Products & Activities			100,000	40,000
Go Green Program			150,000	90,000
Internal Recycling & Institutional Commercial & Industrial Program		4,020	175,000	125,000
Household Hazardous Waste, DLCGW			18,585	18,585
Recycling Committee			30,000	
Recycling Operations	$611,234	$804,861	$1,709,165	$1,222,468

Schedule 13(f)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Solid Waste & Recycling Operations
Indirect Departmental Costs
Provisional Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits			$147,523	
Computer operating costs			67,639	
Office building rental allocated			81,907	
Telephones			7,280	
Central administrative services allocated			33,788	
			338,137	338,137
Less: allocated as an override on salaries			(338,137)	(338,137)
Total Expenditure	$ NIL	$ NIL	$ NIL	$ NIL

Schedule 14

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1990

	1989 Total	1990 Total	%
Vancouver Sewerage Area			
Burnaby	$ 355,911,016	$ 377,120,323	7.69536
Richmond	59,620,014	60,258,638	1.22961
University Endowment Lands	25,987,414	26,103,660	0.53266
Vancouver	4,324,122,546	4,437,135,561	90.54236
	$4,765,640,990	$4,900,618,182	100.00000
Fraser Sewerage Area			
General Facilities			
Burnaby	$ 775,943,846	$ 804,179,606	20.12784
Coquitlam	404,909,398	430,606,408	10.77766
Delta	453,174,885	493,034,580	12.34018
Langley (City)	102,916,015	109,055,001	2.72954
Langley (District)	196,522,144	216,153,116	5.41010
Maple Ridge	142,728,553	151,998,032	3.80436
New Westminster	249,407,009	262,849,370	6.57887
Pitt Meadows	23,806,216	27,160,740	0.67981
Port Coquitlam	150,892,772	163,426,276	4.09040
Port Moody	102,295,204	108,967,208	2.72734
Richmond	21,802,383	25,113,850	0.62858
Surrey	993,332,158	1,076,929,826	26.95451
Vancouver	34,495,257	34,800,496	0.87102
White Rock	86,873,529	91,085,358	2.27978
	$3,739,099,369	$3,995,359,867	100.00000
Maple Ridge/Pitt Meadows Facilities			
Maple Ridge	$ 142,728,553	$ 151,998,032	84.83985
Pitt Meadows	23,806,216	27,160,740	15.16015
	$ 166,534,769	$ 179,158,772	100.00000
North Shore Sewerage Area			
North Vancouver - City	$ 301,675,510	$ 316,164,536	25.01536
North Vancouver - District	484,104,189	495,789,352	39.22752
West Vancouver	438,072,513	451,927,714	35.79456
	$1,223,852,212	$1,263,881,602	100.00000
Lulu Island West Sewerage Area			
Richmond			100.00000
Still Creek-Brunette River Drainage Area			
Burnaby	$ 737,406,769	$ 771,515,597	72.47391
Coquitlam	71,692,855	71,175,627	6.68603
New Westminster	13,641,564	14,232,769	1.33698
Port Moody	5,295,670	5,261,190	0.49422
Vancouver	198,077,699	202,357,329	19.00885
	$1,026,114,557	$1,064,542,512	100.00000

Schedule 14
Continued

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1990

	1989 Total	1990 Total	%
Byrne Road Drainage Area			
Burnaby	$ 224,151,257	$ 229,383,399	99.77325
New Westminster	551,305	521,311	0.22675
	$ 224,702,562	$ 229,904,710	100.00000
Kyle Street Drainage Area			
Coquitlam	$ 7,052,861	$ 7,030,573	48.40211
Port Moody	7,533,266	7,494,770	51.59789
	$ 14,586,127	$ 14,525,343	100.00000
William Street Drainage Area			
Coquitlam	$ 5,011,580	$ 5,016,598	41.70005
Port Moody	6,986,939	7,013,598	58.29995
	$ 11,998,519	$ 12,030,196	100.00000
Schoolhouse Creek Drainage Area			
Coquitlam	$ 16,045,477	$ 16,176,877	40.93225
Port Moody	15,869,356	23,355,225	59.06775
	$ 31,914,833	$ 39,532,102	100.00000
U.E.L. South Musqueam Drainage Area			
Vancouver			100.00000
Lower Mainland Solid Waste Disposal Plan			
Burnaby	$ 1,131,854,862	$ 1,181,299,929	11.06314
Coquitlam	406,474,668	432,166,468	4.04734
Delta	500,580,834	540,115,250	5.05830
New Westminster	249,407,009	262,849,370	2.46164
North Vancouver (City)	301,675,510	316,164,536	2.95095
North Vancouver (District)	487,323,573	499,024,387	4.67348
Port Coquitlam	151,670,531	164,207,327	1.53784
Port Moody	102,295,204	108,967,208	1.02050
Richmond	967,426,389	1,029,580,869	9.64226
Surrey	1,019,317,132	1,099,471,685	10.29680
University Endowment Lands	25,987,414	26,103,660	0.24447
Vancouver	4,358,617,803	4,471,936,057	41.88070
West Vancouver	440,972,009	454,824,625	4.25954
White Rock	86,873,529	91,085,358	0.85304
	$10,230,476,467	$10,677,796,729	100.00000

Schedule 14
Continued

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1990

	1989 Total	1990 Total	%
Total Assessed Values			
Burnaby	$ 1,131,854,862	$ 1,181,299,929	10.46546
Coquitlam	406,474,668	432,166,468	3.82868
Delta	500,580,834	540,115,250	4.78503
Langley (City)	102,916,015	109,055,001	0.96615
Langley (District)	254,448,558	272,638,308	2.41538
Maple Ridge	177,688,565	187,768,408	1.66349
New Westminster	249,407,009	262,849,370	2.32866
North Vancouver (City)	301,675,510	316,164,536	2.80099
North Vancouver (District)	487,323,573	499,024,387	4.42099
Pitt Meadows	36,551,053	40,345,685	0.35743
Port Coquitlam	151,670,531	164,207,327	1.45476
Port Moody	102,295,204	108,967,208	0.96537
Richmond	967,426,389	1,029,580,869	9.12134
Surrey	1,019,317,132	1,099,471,685	9.74052
University Endowment Lands	25,987,414	26,103,660	0.23126
Vancouver	4,358,617,803	4,471,936,057	39.61812
West Vancouver	440,972,009	454,824,625	4.02942
White Rock	86,873,529	91,085,358	0.80695
	$10,802,080,658	$11,287,604,131	100.00000

Greater Vancouver Regional Hospital District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Telephone (604) 432-6400

TO: BOARD OF DIRECTORS

FROM: FINANCE & GOVERNMENT RELATIONS COMMITTEE

RE: 1991 BUDGET

DATE: MARCH 20, 1991

Purpose

To report on the Committee review of the 1991 Hospital District budget as approved by the Board's Hospital Committee.

Background

The attached schedule summarizes the G.V.R.H.D. 1991 Final Budget. The major change from the provisional budget is a reduction in the tax requisition of $1,739,442 due mainly to a decline in interest rates.

1990 operations resulted in a net surplus of $2,379,377 of which $1,300,000 has been transferred to a Reserve for the Equalization of future tax rates and the balance carried forward to 1991.

Committee Recommendation

The Committee reviewed the 1991 Budget and recommends the budget as approved by the Board's Hospital Committee.

Recommendation

That the G.V.R.H.D. Board adopt the 1991 Budget as presented requiring members' tax requisitions of $40,578,485.

That leave be given to introduce By-law No. 234 and that it be given three readings, reconsidered and finally adopted.

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT
1991 BUDGET
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

Expenditures

1991 Total Expenditure as per Provisional Budget	$91,122,568
Less: Reduction of Debt Charges	3,675,792
1991 Net Expenditures	87,446,776
1990 Net Expenditures	79,337,671
% Increase in Expenditures	10.22%

Member's Tax Requisition

1991 Provisional Budget		42,317,927
Less: Reduction in expenditure	3,675,792	
Less: Provincial share	(1,917,790)	
Reduced grants in lieu	(50,000)	
Additional surplus carried forward	31,440	1,739,442
1991 Final Budget		40,578,485
1990 Final Budget		37,912,921
% Increase		7.03%

1990 Surplus funds transferred to Reserve Fund

1991 Provisional Budget	800,000
Additional	500,000
1991 Final Budget	$1,300,000

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue					
Members' tax requisitions	$37,912,921	$37,912,919	$42,317,927	$40,578,485	7.0
Provincial Government Grants	39,840,650	38,425,805	47,256,704	45,338,914	13.8
Share of grants in lieu of taxes	520,000	419,367	500,000	450,000	-13.5
Surplus from previous year	1,064,100	1,064,106	1,047,937	1,079,377	1.4
Total Revenue	$79,337,671	$77,822,197	$91,122,568	$87,446,776	10.2
Expenditure					
Debt charges on capital debt (Schedule 1)	$76,964,814	$73,297,872	$88,646,640	$85,125,848	10.6
Provision for expenditure under Sections 20(2) & 20(5)					
Advisory Committee expense	10,000	8,925	10,000	10,000	0
Contribution to capital funds for grants to hospitals (net)	2,217,857	2,217,857	2,350,928	2,350,928	6.0
Interest on borrowing pending receipt of revenues (net)	145,000	(81,833)	115,000	(40,000)	N/A
	2,372,857	2,144,949	2,475,928	2,320,928	-2.2
Transfer to reserve for equalization of future tax rates	0	1,300,000	0	0	N/A
Total Expenditure	$79,337,671	$76,742,821	$91,122,568	$87,446,776	10.2
Surplus carried to following year		$ 1,079,377			

Schedule 1

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Summary of Debt Charges on Capital Debt

	1990 Final Budget	1990 Actual	1991 Final Budget		
			Principal	Interest	Total
Debenture Debt					
Existing Debenture Debt (Schedule 2)	$69,330,330	$69,150,420	$15,059,930	$66,676,303	$81,736,233
Amortization of Debenture discount	56,083	56,082		56,083	56,083
Debenture Issuing Expense	125,000	139,985		132,500	132,500
Surplus on certified and cancelled issues	(336,250)	(375,419)	(144,319)		(144,319)
Temporary Borrowing	3,257,135	(412,318)		(3,002,465)	(3,002,465)
Proposed debenture issues	3,450,000	4,125,372		5,830,000	5,830,000
	75,882,298	72,684,122	14,915,611	69,692,421	84,608,032
Debt assumed re Langley Memorial Hospital					
Existing Debenture Debt	2,843,313	2,837,915	490,143	2,295,699	2,785,842
Other Debt Charges	222,353	226,078			
Surplus on certified and cancelled issues	(132,250)	(145,645)	(276)		(276)
	2,933,416	2,918,348	489,867	2,295,699	2,785,566
	78,815,714	75,602,470	$15,405,478	$71,988,120	87,393,598
Less: Recoverable from parking lot - net operations (Schedule 3)	(1,850,900)	(2,304,598)			(2,267,750)
	$76,964,814	$73,297,872			$85,125,848

Schedule 2

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1991	
				Principal	Interest
29	Jul. 7, 1995	8.80%	$ 3,000,000	$ 81,570	$ 264,000
30	Sep. 9, 1995	9.16%	3,000,000	81,570	274,800
31	Dec. 10, 1995	8.95%	4,200,000	114,198	375,900
32	Feb. 9, 1996	9.07%	8,000,000	217,520	725,600
33	Apr. 9, 1996	9.03%	8,000,000	217,520	722,400
34	May 7, 1996	9.04%	5,000,000	135,950	452,000
35	Jun. 7, 1996	9.00%	7,000,000	190,330	630,000
36	Jul. 9, 1996	8.97%	3,000,000	81,570	269,100
37	Nov. 10, 1996	9.25%	10,000,000	271,900	925,000
38	Jan. 10, 1997	9.02%	5,000,000	121,950	451,000
39	Apr. 7, 1997	9.03%	12,000,000	292,680	1,083,600
40	May 10, 1997	9.22%	3,500,000	85,365	322,700
41	Jul. 8, 1997	9.06%	4,000,000	97,560	362,400
42	Aug. 10, 1997	9.00%	3,000,000	73,170	270,000
43	Oct. 7, 1997	8.77%	5,000,000	121,950	438,500
44	Dec. 9, 1997	8.98%	7,000,000	170,730	628,600
45	Mar. 10, 1998	9.37%	7,000,000	170,730	655,900
46	Jun. 9, 1998	9.41%	5,000,000	121,950	470,500
47	Aug. 10, 1998	9.49%	7,000,000	170,730	664,300
48	Sep. 8, 1998	9.36%	5,000,000	121,950	468,000
49	Nov. 10, 1998	9.46%	10,000,000	243,900	946,000
50	Mar. 9, 1999	10.16%	6,500,000	158,535	660,400
51	Apr. 10, 1999	10.26%	6,000,000	146,340	615,600
52	Jul. 10, 1999	10.02%	6,000,000	146,340	601,200
53	Aug. 10, 1999	9.98%	13,000,000	317,070	1,297,400
54	Nov. 9, 1999	10.68%	6,000,000	146,340	640,800
55	Apr. 10, 2000	13.39%	5,000,000	121,950	669,500
56	Jun. 10, 2000	12.01%	6,000,000	146,340	720,600
57	Aug. 8, 2000	11.61%	8,000,000	195,120	928,800
58	Oct. 10, 2000	12.50%	4,000,000	97,560	500,000
59	Mar. 10, 2001	13.13%	5,000,000	109,260	656,500

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1991	
				Principal	Interest
60	Apr. 10, 2001	13.66%	9,000,000	196,668	1,229,400
61	May 8, 2001	13.69%	9,000,000	196,668	1,232,100
62	Jun. 10, 2001	15.69%	5,000,000	109,260	784,500
63	Aug. 10, 2001	15.31%	14,000,000	305,928	2,143,400
64	Oct. 9, 2001	17.0 %	5,000,000	109,260	850,000
65	Nov. 10, 2001	17.51%	5,000,000	109,260	875,500
66	Dec. 10, 2001	15.93%	5,000,000	109,260	796,500
67	Jan. 8, 2002	14.51%	3,675,000	80,306	533,243
68	Feb. 10, 2002	15.5 %	4,000,000	87,408	620,000
69	Mar. 10, 2002	16.1 %	6,000,000	131,112	966,000
70	Apr. 8, 2002	15.12%	10,000,000	218,520	1,512,000
71	May 10, 2002	15.25%	9,000,000	196,668	1,372,500
72	June 10, 2002	14.96%	7,000,000	152,964	1,047,200
73	July 9, 2002	15.38%	10,000,000	218,520	1,538,000
74	Oct. 8, 2002	14.16%	6,000,000	131,112	849,600
75	Nov. 10, 2002	13.43%	4,000,000	87,408	537,200
76	Jan. 4, 2003	12.14%	5,000,000	109,260	607,000
77	Apr. 5, 2003	11.59%	7,000,000	152,965	811,300
78	May 2, 2003	11.53%	4,000,000	87,408	461,200
79	June 1, 2003	10.92%	4,000,000	87,408	436,800
80	Aug. 2, 2003	11.51%	5,000,000	109,260	575,500
81	Sept. 2, 2003	12.08%	5,000,000	109,260	604,000
82	Nov. 10, 2003	11.65%	5,000,000	109,260	582,500
83	Dec. 1, 2003	11.79%	3,500,000	76,482	412,650
84	Mar. 1, 2004	12.13%	12,000,000	262,224	1,455,600
85	Apr. 2, 2004	12.60%	5,000,000	109,260	630,000
86	June 1, 2004	13.70%	5,000,000	109,260	685,000
87	July 3, 2004	13.80%	8,000,000	174,816	1,104,000
88	Sept. 4, 2004	13.20%	5,000,000	109,260	660,000
89	Jan. 4, 2005	12.08%	6,000,000	131,112	724,800
90	May 3, 2005	12.15%	5,000,000	109,260	607,500

Schedule 2
(continued)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1991	
				Principal	Interest
91	May 9, 2006	9.59%	10,064,000	219,919	965,137
92	Aug. 8, 2006	9.50%	5,000,000	109,260	475,000
93	Apr. 10, 2007	9.12%	6,100,000	133,296	556,320
94	Sep. 10, 2007	10.42%	3,000,000	65,556	312,600
95	Nov. 10, 1997	10.25%	7,970,000	549,930	816,925
96	Mar. 3, 1993	9.25%	730,000	124,433	67,525
97	Apr. 8, 2008	9.62%	5,775,000	126,195	555,555
98	July 8, 2008	10.15%	7,280,000	159,083	738,920
99	Aug. 10, 2008	10.06%	1,800,000	39,334	181,080
100	Oct. 7, 2008	10.39%	2,465,000	53,865	256,114
101	Nov. 10, 2008	10.10%	990,000	21,633	99,990
102	July 9, 1993	7.69%	3,131,639	532,379	240,823
103	Dec. 9, 2008	9.93%	3,093,600	67,601	307,194
104	Dec. 16, 1998	10.50%	3,782,000	260,958	397,110
105	Apr. 10, 2009	10.31%	7,264,000	158,733	748,918
106	May 10, 2009	10.17%	7,711,000	168,501	784,209
107	July 6, 1994	9.75%	2,610,000	444,890	254,475
108	July 10, 2009	9.61%	6,614,000	144,529	635,605
109	Sep. 8, 2009	9.15%	3,604,000	78,755	329,766
110	Nov. 10, 2009	9.62%	6,986,000	152,658	672,053
111	Dec. 8, 2009	9.26%	2,925,000	63,917	270,855
112	Nov. 25, 1997	10.25%	1,093,000	102,758	112,033
113	Mar. 9, 2010	9.78%	8,026,000	175,384	784,943
114	Apr. 10, 2010	10.36%	8,223,800	179,706	851,986
115	May 10, 2010	10.81%	28,644,000	625,929	3,096,416
116	June 8, 2010	11.33%	31,045,000	678,395	3,517,399
117	July 10, 2010	10.47%	25,895,500	565,868	2,711,259
			$588,197,539	$15,059,930	$66,676,303

Schedule 3

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

Parking Lot Operations
Summary

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Legal	$ 9,300	$ 4,886	$ 9,550	$ 9,550
Insurance	23,900	21,277	23,200	23,200
Other services	26,700	31,665	39,150	39,150
Repairs & maintenance	171,000	70,573	170,150	170,150
Janitor & gardening	59,100	52,965	65,800	65,800
Security	155,400	153,504	175,800	175,800
Parking lot attendants	518,400	457,904	510,350	510,350
Licences, permits, business taxes	3,000	5,342	2,800	2,800
Equipment purchases & capital improvements	68,000	16,838	83,400	83,400
Outside maintenance	47,800	50,853	55,300	55,300
Materials & supplies	32,500	51,088	43,850	43,850
Electricity	159,100	154,195	170,950	170,950
Contract Services				
Management fees	65,300	98,961	99,550	99,550
Commissions	91,100	110,463	107,900	107,900
General Administrative Services	82,500	3,023	96,100	96,100
Total Expenditures	1,513,100	1,283,537	1,653,850	1,653,850
Revenue	(3,364,000)	(3,588,135)	(3,921,600)	(3,921,600)
Net Income	$(1,850,900)	$(2,304,598)	$(2,267,750)	$(2,267,750)
Number of stalls		6,119		6,115

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

General Expenses

	1990 Final Budget	1990 Revised Estimate	1991 Provisional Budget	1991 Final Budget
Travel & mileage	$ 4,900	$ 2,500	$ 2,500	$ 2,500
Courier	100	100	100	100
Advertising	500	100	500	500
Legal	500	500	500	500
Other services (warranty)	12,400	5,000	7,000	7,000
Equipment purchases & capital improvements	1,300	1,300	5,000	5,000
Materials & supplies	1,000	1,000	21,000	21,000
Management fees	75,700	30,000	75,700	75,700
Printing	500	500	1,000	1,000
General Administrative Services	2,600	2,600	2,600	2,600
Total Expenditures	99,500	43,600	115,900	115,900
Less: Allocations to parking lot operations**	(82,500)	(36,150)	(96,100)	(96,100)
Allocated to Shaughnessy Hospital*	(17,000)	(7,450)	(19,800)	(19,800)
	$ NIL	$ NIL	$ NIL	$ NIL

* Allocated as a cost directly to Shaughnessy Hospital.
** Allocated to each lot according to revenue.

Greater Vancouver Regional District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Finance Department

Accounting: 432-6273 • Secretary Treasurer's Office: 432-6250 • Treasury: 432-6252

TO: BOARD OF DIRECTORS

FROM: FINANCE & GOVERNMENT RELATIONS COMMITTEE

RE: 1991 FINAL BUDGET

DATE: MARCH 20, 1991

Purpose

To report on the Committee's review of the GVRD 1991 Final Budget as approved by the function committees.

Background

Attached are schedules showing the changes from the 1991 Provisional budget. The Committee is recommending the following reductions to the budgets as approved by the function committees.

	Members' Tax Requisitions & User Charges		
	Budget Submitted	Reductions	Budget Recommended
General Government			
Consultants		$ 10,000	
Audio Visual update		30,000	
Aerial photographs		10,000	
Display system		10,000	
Contribution to Equipment Fund		80,000	
	$ 1,636,091	140,000	$ 1,496,091
Air Quality			
Lump sum reduction	2,186,168	192,500	1,993,668
Hospital Planning	767,366	-	767,366
Labour Relations	1,928,491	-	1,928,491
Parks			
Boundary Bay park operation		27,100	
Foundation land trust		30,000	
Major park plan		26,300	
	7,805,766	83,400	7,722,366

	Budget Submitted	Reductions	Budget Recommended
Development Services			
Reduction of Public Education & Communication		32,794	
Transfer of Economic Services from City of Vancouver		58,918	
Contribution to Housing & Social Issues by Greater Vancouver Housing Corporation		20,000	
	1,796,608	111,712	1,684,896
E-9-1-1 Emergency Telephone	3,422,422	-	3,422,422
Total regional functions	19,542,912	527,612	19,015,300
Electoral Area & Related Functions	724,527	-	724,527
Total Tax Requisition & User Charges	$20,267,439	$527,612	$19,739,827

The Committee also reduced the total budget for General Administrative Services, which is an allocated account, by $17,000 with respect to consultants for an employee benefit survey and analysis as requested by the Personnel Department.

Member Municipalities

The total members' tax requisition for general regional functions (excluding electoral areas and local services) is up 13.5% over 1990. 1991 is the first full years operation of the E-9-1-1 Emergency Telephone Service and the expanded hospital planning function. This, together with increased emphasis on Air Quality Control programs, (which will be offset by fees in future years) and Development Services programs account for most of the above average increase. The Regional Parks budget is up 10.4% and is less than projected in the year 2000 Plan.

The Electoral Area budgets reflect a substantial increase in administrative services, mostly in Electoral Area C (Bowen Island).

Intergovernment

The tax requisitions for the region wide functions in total are within the provincial guidelines limiting real property taxes. Increases in Electoral Area tax requisitions for administration, building inspection, Area B planning and Area C Recreation Commission are not within the guidelines.

Committee Recommendations

1. That the 1991 Parks budget as amended, be approved with members' tax requisitions amounting to $7,722,366.

2. That the 1991 Sasamat Volunteer Fire Department budget be approved with members' tax requisitions amounting to $111,236.

3. That the balance of the GVRD 1991 Budget, as amended, be approved with members' tax requisitions and user charges amounting to $11,906,225.

4. That leave be given to introduce By-law No. 676 and that it be given three readings, reconsidered and finally adopted.

GREATER VANCOUVER REGIONAL DISTRICT

Revenue & Expenditure Budget
Year Ending December 31, 1991

INDEX

	Section	Summary Page
- Revenue and Expenditure Budget Summary		RD1
- General Government Services	A	A1
- Air Quality	B	B8
- Hospital Planning	C	C4
- Labour Relations	D	D5
- Regional Parks	E	E12
- Development Services	F	F3
- 9-1-1 Emergency Telephone Service	G	G4
- Electoral Areas	H	H1

* * * * * *

RD1

GREATER VANCOUVER REGIONAL DISTRICT

Summary
Final Revenue and Expenditure Budget
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	Change from 1990 Final Budget Amount	Change from 1990 Final Budget $
Revenue							
Members' tax requisitions		$17,398,336	$17,390,490	$20,410,128	$19,739,828	$2,341,492	13.5%
Provincial Government grants		555,000	575,000	1,250,000	1,178,000	623,000	112.3%
Transfer from GVRD functions		20,450	20,450	35,900	55,900	35,450	173.3%
Other revenue							
-General Government		444,150	737,397	465,940	465,940	21,790	4.9%
-Ambient Air Gaseous Monitoring		688,000	710,411	894,300	894,300	206,300	30.0%
-Hospital Planning Recoveries		0	0	70,100	70,100	70,100	
-Parks Net Rental Income		253,088	253,318	286,448	286,448	33,360	13.2%
-Development Services		178,500	246,069			(178,500)	-100.0%
-Electoral Area-Misc		35,000	46,339	35,000	40,240	5,240	15.0%
Surplus from previous year		521,767	521,767	988,610	950,886	429,119	82.2%
Total Revenue		$20,094,291	$20,501,241	$24,436,426	$23,681,642	$3,587,351	17.9%
Expenditure							
Regional Functions							
Operating Expenses							
General Government Services	A1	$2,394,060	$2,295,862	$2,319,894	$2,353,475	(40,585)	-1.7%
Air Quality	B8	2,751,600	2,679,080	4,233,500	3,985,900	1,234,300	44.9%
Hospital Planning	C4	621,728	540,011	919,183	919,183	297,455	47.8%
Labour Relations	D5	1,974,269	1,794,346	2,135,046	2,135,046	160,777	8.1%
Regional Parks	E12	5,096,199	5,109,279	6,159,714	6,001,514	905,315	17.8%
Development Services	F3	1,715,402	1,643,926	2,177,300	1,918,942	203,540	11.9%
9-1-1 Emergency Telephone Service	G3	2,447,372	2,537,626	2,955,232	3,235,501	788,129	32.2%
		17,000,630	16,600,130	20,899,869	20,549,561	3,548,931	20.9%
Fiscal Services							
Equipment Fund	A1	100,000	100,000	200,000	120,000	20,000	20.0%
Regional Parks	E12	2,149,300	2,136,450	2,347,200	2,007,300	(142,000)	-6.6%
9-1-1 Emergency Telephone Service	G3	192,450	91,955	237,491	197,162	4,712	2.4%
		2,441,750	2,328,405	2,784,691	2,324,462	(117,288)	-4.8%
Total Regional		19,442,380	18,928,535	23,684,560	22,874,023	3,431,643	17.7%
Electoral Areas							
Operating Expenses	H1	436,330	420,737	535,476	574,300	137,970	31.6%
Fiscal Services	H1	215,581	201,083	216,390	233,319	17,738	8.2%
		651,911	621,820	751,866	807,619	155,708	23.9%
Total Expenditure		$20,094,291	$19,550,355	$24,436,426	$23,681,642	$3,587,351	17.9%
Surplus carried to following year			$950,886				

GREATER VANCOUVER REGIONAL DISTRICT
GENERAL GOVERNMENT
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

	OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	CHANGES FROM F & G R	TOTAL	ADJUSTED BASE
	1990 Final Operating Budget		1,822,060			1,822,060	
	Less: Special non-recurring programs		(51,500)			(51,500)	
	1990 Base Budget		1,770,560			1,770,560	100.0%
	Add: Adjustments to Base						
	Computer services allocation		8,875			8,875	
	Building Rent allocation		7,245			7,245	
	Staff merit increases & reclassifications		10,912			10,912	
	Pamphlets, amortization of computer equipment		15,250			15,250	
	Sundry		3,034			3,034	
	Mosquito control cost increase		3,590			3,590	
	General Admin allocation		58,901			58,901	
	Property Division charges		4,450			4,450	
	Central Admin allocation		(5,739)			(5,739)	
	Inflation & GST on Base		87,492			87,492	
	Adjusted Base		1,964,570			1,964,570	111.0%
1	Director's remuneration & expenses	A	55,000	36,000		91,000	
	Administration Offices:						
2	Executive Search/Staff Retirement	D	55,000			55,000	
2	Less: Charged to other districts		(31,350)			(31,350)	
3	Staff Re-organization	A	(83,326)			(83,326)	
3	Secretarial	A		33,000		33,000	
3	Research Assistant	A		50,000		50,000	
4	Consultants	A	10,000		(10,000)	0	
	Information Services:						
5	Livable Region booklet	D		40,000		40,000	
6	Audio Visual Update	D	30,000		(30,000)	0	
7	Aerial Photographs	C	10,000		(10,000)	0	
8	Display system	C	10,000		(10,000)	0	
			55,324	159,000	(60,000)	154,324	
	Operating Budget		2,019,894	159,000	(60,000)	2,118,894	119.7%
	Grants		300,000	(65,419)		234,581	
	Total Operating Budget		2,319,894	93,581	(60,000)	2,353,475	
	Contribution to Equipment Fund		200,000		(80,000)	120,000	
	TOTAL 1991 BUDGET		**$2,519,894**	**$93,581**	**($140,000)**	**$2,473,475**	
	Total 1990 Budget		2,494,060			2,494,060	
	% Increase		1.0%			-0.8%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

A1

GREATER VANCOUVER REGIONAL DISTRICT

Revenue and Expenditure Budget
General Government Services
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue						
Members'						
- tax requisitions		$1,822,542	$1,822,542	$1,758,890	$1,496,091	
- user charges		27,150	30,930	30,740	30,740	
Provincial Government grant		80,000	100,000	100,000	100,000	
Grants in lieu of taxes		192,000	202,507	195,200	195,200	
Interest income less sundry financial charges		225,000	503,960	240,000	240,000	
Surplus from previous year		147,368	147,367	195,064	411,444	
Total Revenue		$2,494,060	$2,807,306	$2,519,894	$2,473,475	
Expenditure						
Legislative Services						
Board & Committees	A2	$ 364,050	$ 414,291	$ 428,805	$ 464,805	
Secretariat	A4	237,150	244,022	253,978	253,978	
Information Services	A8	494,550	374,400	542,624	532,624	
		1,095,750	1,032,713	1,225,407	1,251,407	
Administrative Services						
Administration Offices	A9	307,200	327,978	306,152	379,152	
General Administrative Services	A11	163,936	177,652	222,837	222,837	
Property Division	A24	8,400	2,821	12,850	12,850	
Central Administrative Services	A41	47,624	43,000	41,885	41,885	
General Expenses	A43	172,000	108,768	180,023	180,023	
		699,160	660,219	763,747	836,747	
Other						
Grants in-aid		572,000	572,000	300,000	234,581	
Mosquito Control		27,150	30,930	30,740	30,740	
		599,150	602,930	330,740	265,321	
Sub-Total		2,394,060	2,295,862	2,319,894	2,353,475	
Fiscal Services						
Contribution to Equipment Fund		100,000	100,000	200,000	120,000	
Total Expenditure		$2,494,060	$2,395,862	$2,519,894	$2,473,475	
Surplus carried to following year			$ 411,444			

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

Board & Committees

Purpose

To fulfill the duties and responsibilities of the Regional Board as outlined in the Municipal Act.

Activities or Level of Service

Attending meetings of the Regional Board and its committees for the purpose of formulating Board Policy.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Remuneration	$195,000	$225,415	$250,000	$286,000
Provision for equipment replacement	12,600	10,077	12,600	12,600
Travel	5,700	4,670	5,700	5,700
Telephone	3,400	3,075	3,350	3,350
Other expenses	5,350	17,732	5,550	5,550
Rent	142,000	153,322	151,605	151,605
Total Expenditure	$364,050	$414,291	$428,805	$464,805

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

Secretariat

Purpose

To provide secretarial and related administrative services to the Board and its function committees.

To revise and maintain voters' lists and to conduct local elections (for GVRD Directors and the Islands Trust) in the Region's three Electoral Areas, pursuant to the Municipal Act.

To provide administrative assistance to the Secretary-Treasurer, the Board Chairperson and Deputy Chairperson and other Directors as required.

To fulfil statutory responsibilities of Secretary in absence of Secretary-Treasurer.

Activities or Level of Service

To prepare, maintain and preserve the minutes of the Board, its function committees and other committees as specified (e.g. Hospital Advisory Committee).

To prepare and distribute Board and Executive Committee agendas and others as required.

To assist departments and the public with enquiries and research in connection with Board and committee minutes and background documentation.

To administer the processing of bylaws.

To undertake or co-ordinate arrangements for all Board and function committee meetings and other events involving Directors, and to produce regular calendars of same for distribution to Directors and staff.

To co-ordinate payment of fees to Board Directors.

To update and maintain voters' lists and carry out requirements for the holding of local elections in three electoral areas.

To conduct Courts of Revision for voters lists and parcel tax rolls pursuant to the Municipal Act.

Review of Prior Year's Objectives

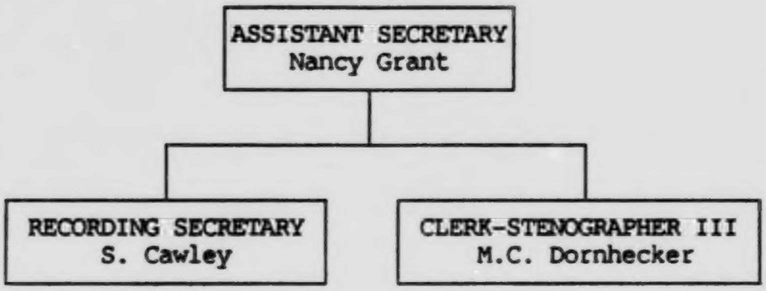
The Secretariat's short-term goals for 1990 were met. Progress continues to be made in increasing the efficiency of its co-ordinating function and in streamlining follow-up action to Board policy directives. Additional responsibilities were assumed in connection with meetings and agenda preparation of the Water & Environment Committee and its sub-committees. In 1990 the Department assisted the Board during the Union of B.C. Municipalities' Convention and also provided staff support to the Grants Policy Sub-Committee.

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

Secretariat

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$139,100	$139,383	$141,887	$141,887
Rent	22,050	24,414	29,329	29,329
Mileage	310	128	500	500
Travel	500		800	800
Postage & municipal courier service	25,000	22,672	25,000	25,000
Telephone	2,650	2,316	3,270	3,270
Duplicating & photocopying	15,600	16,577	15,600	15,600
Equipment replacement & maintenance	2,400	2,397	2,400	2,400
Materials & supplies	6,200	5,023	6,500	6,500
Other services	2,740	11,102	3,640	3,640
Central administrative services allocated	11,700	11,110	7,500	7,500
Computer operating costs allocated	8,900	8,900	17,552	17,552
Total Expenditure	$237,150	$244,022	$253,978	$253,978



	APPROVED	ACTUAL
December 31, 1989	4	4
1990 changes	(1)*	(1)
September 1, 1990	3	3
1991 changes	0	
TOTAL December 31, 1991	3	

* Costs for Clerk-Receptionist have been transferred completely to the Finance Department.

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

Information Services

Purpose

To provide centralized information services for all GVRD departments and activities.

To co-ordinate and produce various GVRD publications including annual report, information booklets, newsletters, brochures, posters; produce audio-visual productions.

To maintain, display and sell GVRD publications and maps to public.

To assist with the GVRD's program to promote recycling in the Lower Mainland.

Activities or Level of Service

Handle general enquiries from the public and news media regarding GVRD operations and activities (about 1,000 per month).

Promote the GVRD's regional recycling program, through special events ('Recycling Month'), displays, news releases, audio-visual presentations, etc.

To sponsor a secondary schools essay contest.

To produce various publications including information booklets, brochures (air quality, water, sewer, etc.), the GVRD Annual Report, posters, audio-visual productions, etc.

Prepare and produce information material for internal use including staff newsletter.

Prepare and produce a regular bi-monthly newsletter, for general distribution.

Prepare, produce and distribute news releases, as required; notify news media of GVRD meetings; arrange news conferences or other special media events, as required.

Assist with arrangements for special GVRD meetings and events, such as workshops, public hearings, the opening of projects.

Place newspaper advertisements when requested.

Take photos for various departments and for GVRD publications, audio-visuals, etc.

Provide support for Parks Department's nature interpretation programs and special parks events.

Maintain various GVRD mailing lists ranging from 20 to over 8,000 names.

Maintain, display and sell GVRD publications to the public.

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

Information Services (Continued)

Review of Prior Year's Activities

Some highlights of the prior year's activities are as follows:

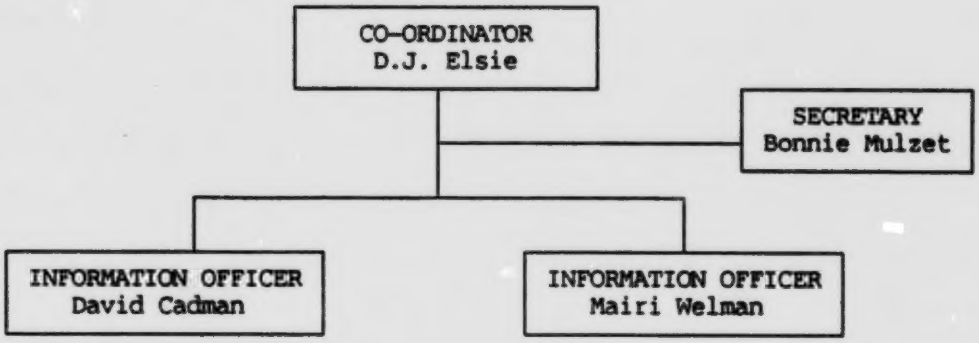
- Production of GVRD Annual Report.
- New 'Livable Region' information booklet printed and distributed (60,000 copies).
- Presentations made to over 10,000 students in the schools program.
- 'Recycling Month' promotion successful.
- New water system brochure printed (35,000 copies).
- New sewerage system brochure printed (35,000 copies).
- GVRD newsletter circulation increased to over 20,000.
- Approximately 125 news releases distributed to radio, television and newspapers.
- Updated recycling directories printed.
- Phone calls requesting information averaged about 1,000 per month.
- Handled publicity/promotion for Lower Mainland household hazardous waste collection program.
- Arranged meetings, workshops etc. for "Choosing our Future" program.

GREATER VANCOUVER REGIONAL DISTRICT

LEGISLATIVE SERVICES

INFORMATION SERVICES DEPARTMENT

ORGANIZATION CHART


CO-ORDINATOR
D.J. Elsie
SECRETARY
Bonnie Mulzet
INFORMATION OFFICER
David Cadman
INFORMATION OFFICER
Mairi Welman

	APPROVED	ACTUAL
December 31, 1989	4	4
1990 changes	0	0
September 1, 1990	4	4
1991 changes	0	
TOTAL December 31, 1991	4	

GREATER VANCOUVER REGIONAL DISTRICT

Information Services Department

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$232,300	$197,068	$242,500	$242,500
Consultants	15,000	238	15,450	15,450
Contract services		1,701	10,300	300
Board vehicles	500	134	500	500
Mileage	6,400	4,057	5,300	5,300
Office expenses				
Rent	20,200	22,386	21,117	21,117
Telephone	3,100	2,934	3,030	3,030
Materials and supplies	9,000	9,908	7,000	7,000
Postage	6,000	6,076	4,000	4,000
Duplicating	15,800	4,737	19,360	19,360
Equipment replacement, maintenance & purchases	9,900	5,651	13,150	13,150
Travel	1,200	536	1,200	1,200
Other services	14,200	16,636	20,987	20,987
Central administrative services	14,200	13,296	14,200	14,200
General administrative services allocated	5,750	6,622	7,480	7,480
	353,550	291,980	385,574	375,574
Display System & Graphics			10,000	
Livable region booklet				40,000
Staff newsletter	11,000	23,991	11,000	11,000
Bi-monthly newsletter	50,000	21,637	50,000	50,000
Miscellaneous pamphlets	15,000	2,529	20,000	20,000
Annual Report	35,000	34,263	36,050	36,050
	464,550	374,400	512,624	532,624
Audio Visual Production	30,000		30,000	
Total Expenditure	$494,550	$374,400	$542,624	$532,624

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Administration Offices

Purpose

To administer the affairs of the GVRD and related corporate entities and carry out Board policy.

Activities or Level of Service

This account covers the costs of the offices of the Regional Manager and the Secretary-Treasurer. A portion of the costs of the Finance Comptrollers is included here, as their duties and responsibilities cover more than one district. Costs relating to the offices of other Managers are not included in this program, as they are charged directly to their departmental budgets.

The cost of this program is allocated to the various corporate entities.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$485,200	$489,572	$501,040	$584,040
Board vehicles	9,550	14,131	10,500	10,500
Travel	4,700	9,891	8,000	8,000
Consultants			10,300	300
Other services	10,700	30,057	18,960	18,960
Postage	3,300	2,886	3,300	3,300
Telephone	6,200	5,812	5,150	5,150
Materials & supplies	8,100	10,928	10,000	10,000
Duplicating	12,050	13,387	12,050	12,050
Equipment replacement & maintenance	16,050	13,517	16,050	16,050
Central administrative services allocated	13,650	13,450	9,884	9,884
Computer operating costs allocated	8,700	8,700	12,864	12,864
General administrative services allocated	4,900	5,678	6,410	6,410
Rent	77,800	85,904	67,244	67,244
	660,900	703,913	691,752	764,752
Executive Search			20,000	20,000
Management Information Systems Study	50,000	58,763		
	710,900	762,676	711,752	784,752
Less:				
charged to GVWD Administration	(162,000)	(175,399)	(163,600)	(163,600)
GVS&DD Administration	(177,650)	(190,663)	(177,950)	(177,950)
GVHC Administration	(64,050)	(68,636)	(64,050)	(64,050)
Total Expenditure	$307,200	327,978	$306,152	$379,152

GREATER VANCOUVER REGIONAL DISTRICT
GENERAL ADMINISTRATIVE SERVICES
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	
1990 Final Operating Budget		1,140,099	100.0%
Add: Adjustments to Base			
Staff merit increases & reclassifications		8,442	
Staff retirement and reorganization	A	(19,785)	
Computer services allocation		75,196	
Allocation of Labour Relations services		16,700	
Employee Fitness program		15,750	
Microfilm services		4,230	
Supplies & services		14,696	
Inflation & GST on Base		50,248	
Adjusted Base		1,305,576	114.5%
Mandated by other governments and agencies			
Safety training, audits, etc., required by WCB		23,401	
Subtotal		1,328,977	
1 Mail clerk position	A	19,664	
2 Receptionist for personnel	A	20,875	
2 Reduction in auxiliary staff due to receptionist position	A	(7,629)	
3 Consultants for employee benefit survey and analysis - Personnel	A	17,000	
		49,910	
TOTAL 1991 BUDGET		**$1,378,887**	120.9%
Total 1990 Budget		1,140,099	
% Increase		20.9%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

Includes department operating expenses for personnel of $414,413 in 1990 Final Operating Budget and $520,150 in total 1991 Budget.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Summary

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Central administration	A14	$ 516,536	$ 523,488	$ 613,078	$ 613,078
Personnel	A17	118,500	80,316	134,250	134,250
Safety & Security	A20	90,650	99,188	111,409	111,409
Total Expenditure		725,686	702,992	858,737	858,737
Less charged to:					
GVRD Functions:					
Development Services		6,470	6,622	8,900	8,900
Parks		6,470	6,622	7,480	7,480
Labour Relations		6,470	6,622	7,480	7,480
Hospital Planning		6,470	6,505	7,480	7,480
Information Services		6,470	6,622	7,480	7,480
Administration Offices		5,600	5,678	6,410	6,410
Air Quality Control		6,470	6,622	5,800	5,800
N/A Corporate Services		4,740	117	1,690	1,690
		49,160	45,410	52,720	52,720
GVWD Administration		144,250	129,325	159,680	159,680
GVS&DD Administration		230,180	205,595	250,920	250,920
GVHC Administration		32,160	34,162	41,920	41,920
Hospital parkade operations		3,150	3,023	2,600	2,600
Operations		44,090	47,758	64,130	64,130
Engineering		20,540	20,370	21,420	21,420
Construction		18,810	20,569	21,630	21,630
Quality Control		6,470	6,622	6,960	6,960
Forestry		6,470	6,623	6,960	6,960
Housing Operations		6,470	5,883	6,960	6,960
Total Recoveries		561,750	525,340	635,900	635,900
Net		$ 163,936	$ 177,652	$ 222,837	$ 222,837

(1) Formerly General Corporate Services

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Central Administration

Long-Term and Ongoing Role

Central Administration oversees the provision of a number of essential support services for the entire operation. Specifically, the Central Administrative group:

- directs a complete range of support activities including printing, copying and mail delivery activities.
- manages central records and filing systems to ensure efficient and economical use of resources.
- maintains a central store of stationery supplies in support of office and computer activities.
- maintains a library holding a specialized collection of materials relevant to GVRD and member municipalities' functions and operations.
- manages an effective head office telephone system and provides main switchboard and information referral services as well as on-going training on the use of telephone system.
- liaises with Metrotown Place building management company on building services and facilities.

1991 Short-Term Objectives

During 1991, a number of areas of the Central Administrative Services grouping will be examined with the goal of improving the level of service and/or reducing the cost of the service. The courier and mail services will be studied. As well, a study will be done to determine the potential for the use of computers in the Central Records filing system.

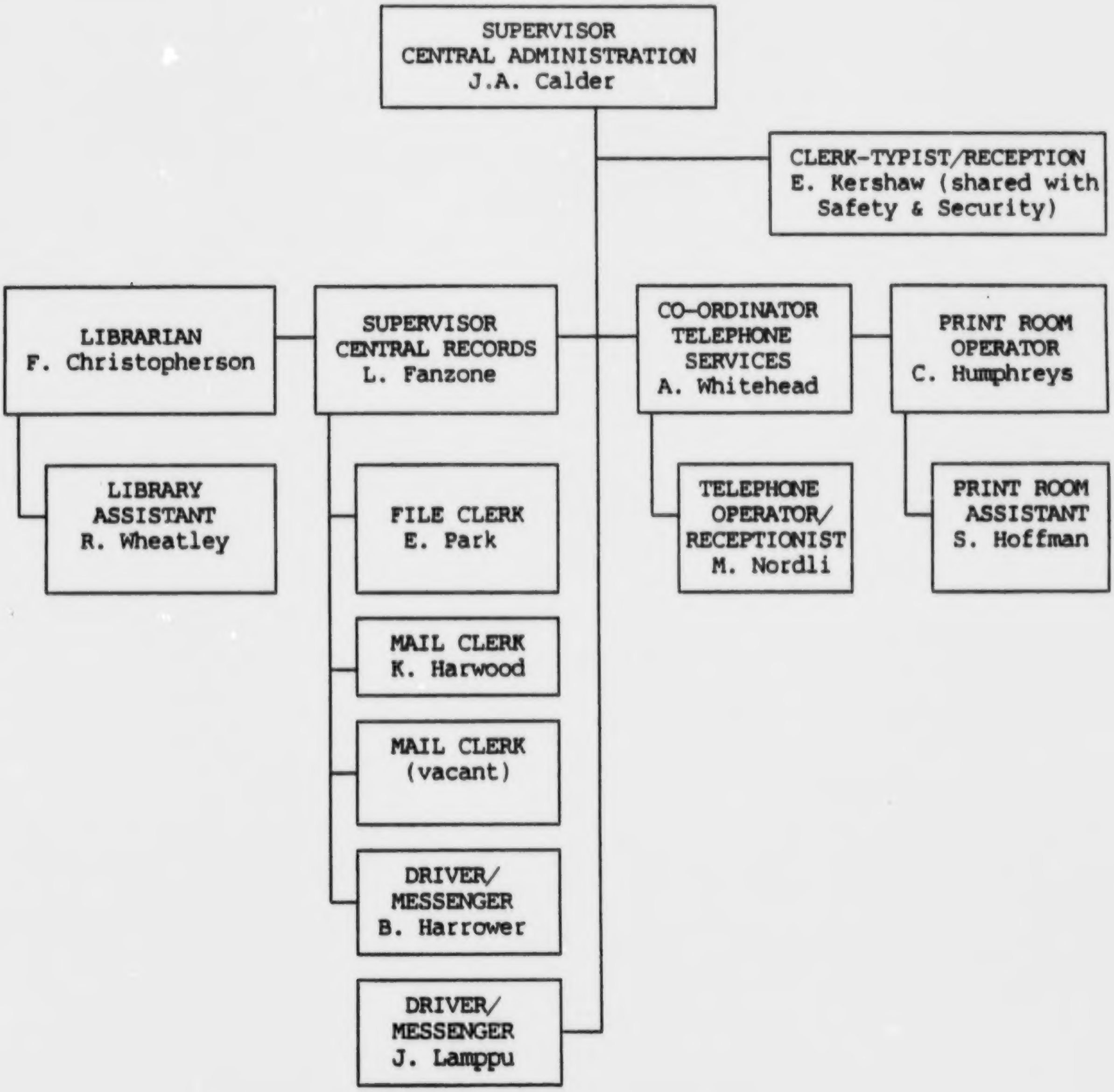
Projects which will continue in 1991 are the computerization of the library and its on-line inquiry system, and work on the database containing all telephone records.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Central Administration

ORGANIZATION CHART


SUPERVISOR
CENTRAL ADMINISTRATION
J.A. Calder
CLERK-TYPIST/RECEPTION
E. Kershaw (shared with Safety & Security)
LIBRARIAN
F. Christopherson
LIBRARY ASSISTANT
R. Wheatley
SUPERVISOR
CENTRAL RECORDS
L. Fanzone
FILE CLERK
E. Park
MAIL CLERK
K. Harwood
MAIL CLERK
(vacant)
DRIVER/MESSENGER
B. Harrower
DRIVER/MESSENGER
J. Lamppu
CO-ORDINATOR
TELEPHONE SERVICES
A. Whitehead
TELEPHONE OPERATOR/RECEPTIONIST
M. Nordli
PRINT ROOM OPERATOR
C. Humphreys
PRINT ROOM ASSISTANT
S. Hoffman

	APPROVED	ACTUAL
December 31, 1989	13	13
1990 changes	0	0
September 1, 1990	13	13
1991 changes	1	
TOTAL December 31, 1991	14	

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Central Administration

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$348,471	$355,175	$383,092	$383,092
Board vehicle & mileage	14,120	18,610	17,920	17,920
Memberships, tuitions, fees	3,100	1,724	3,600	3,600
Consultants	3,500		2,000	2,000
Travel	1,320	403	1,320	1,320
Rent	62,535	64,441	68,155	68,155
Periodicals	8,120	7,702	7,950	7,950
Postage	2,550	2,498	2,850	2,850
Telephone	6,810	7,182	6,610	6,610
Printing	4,330	2,950	3,960	3,960
Computer costs allocated	9,804	6,304	55,059	55,059
Equipment replacement & maintenance	12,150	19,129	10,760	10,760
Supplies & services	14,367	10,521	20,213	20,213
Central Administrative Services allocated	23,359	25,500	23,359	23,359
Microfilm service	2,000	1,349	6,230	6,230
Total Expenditure	$516,536	$523,488	$613,078	$613,078

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Personnel Services

Long-Term and Ongoing Role

The Personnel Services Office administers a comprehensive human resources program for the GVRD which includes:

- Recruitment and selection service to department managers and supervisors, including relevant collective agreement interpretation, recruitment skills training, as well as related administrative support.

- Administration of two collective agreements involving active advice and support to management with respect to collective agreement interpretation, performance assessment and employee discipline. In addition, co-ordinates and participates in the negotiation of revised collective agreements and ad hoc GVRDEU bargaining issues.

- A broad ranging employee benefits function, which administers varied benefits entitlements for different employee groups and makes recommendations to management regarding changes to employee benefits and benefit carriers to reflect changing needs of the Corporation and its employees.

- Career counselling and pre-retirement counselling services.

- An internal training information resource for management and employees, in addition to ongoing in-house training such as writing skills.

- Assistance to managers and staff in classification and organizational reviews.

Objective

To provide effective personnel services for the Regional District by insuring the timely delivery of recruitment and compensation services, organization and classification support, training services, collective agreement administration and negotiations' support.

Review of 1990 Accomplishments

- Provided broad employee recruitment services to the organization. As of October 31, 1990 the following numbers of employees have been recruited with the assistance of Personnel Services:

Regular Full Time:	167
Temporary Full Time:	34
Auxiliary:	2
Regular Part Time:	3
TOTAL:	206

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Personnel (Continued)

- Completion and distribution of an employee handbook for use by all employees.
- Presentation of a one-day seminar on contract administration and discipline for Parks supervisors.
- A complete restructuring of the GVRDEU/GVRD collective agreement was completed.
- Personnel provided active assistance in departmental reorganization in the Watershed Management and the Survey/Inspection Divisions.
- A pilot training seminar was initiated to develop the leadership skills of GVRD supervisors.
- Following examination of personnel Department computerization requirements, selective work was done to achieve broader level of information retrieval ability through computerized information systems.
- As a result of employee involvement suggestions, the following projects were implemented:
  - Employee of the Year Awards
  - Scholarship and Bursary Program
  - Employee Fitness/Life-style Program

1991 Short Term Objectives

- Renegotiation of two collective agreements covering all bargaining unit employees in the GVRD.
- Computerization of Personnel's information systems will continue in 1991.
- Development of individualized employee benefits statements will occur in 1991 and will provide each employee with a clear understanding of their benefit coverages.
- Employee orientation will be developed further to provide complete orientation for new employees.
- Training services will be expanded to include in house recruitment selection skills and performance appraisal skills training. Contracted supervisory skills training will continue into 1991.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Personnel

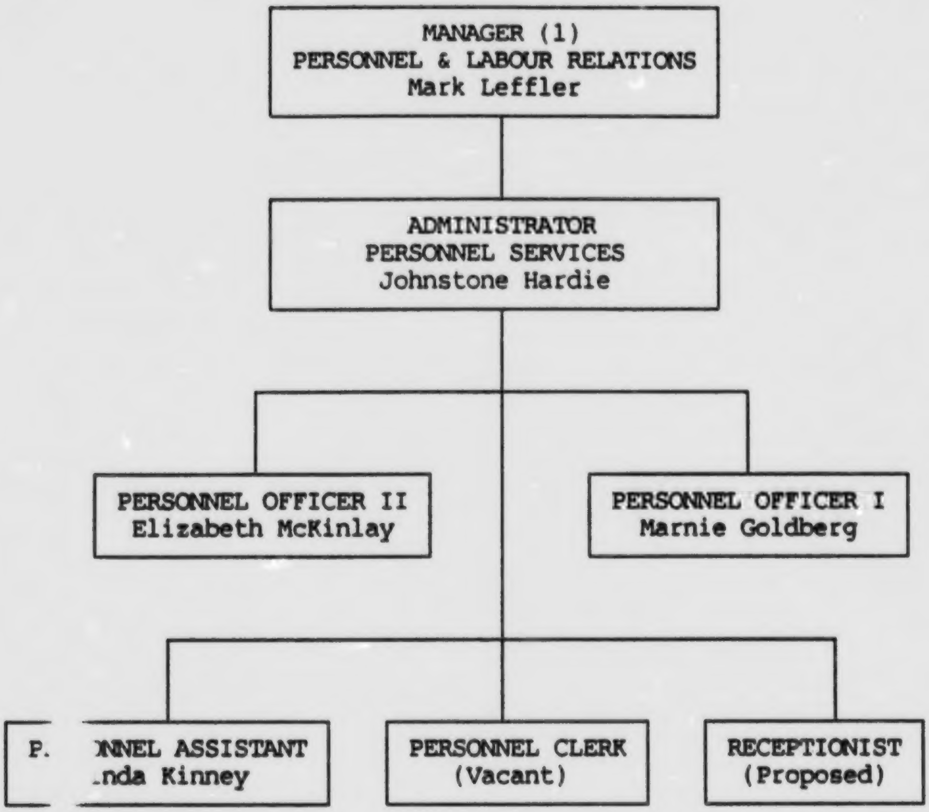
	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Department Operating Expenses				
Salaries & employee benefits	$274,146	$298,490	$304,600	$304,600
Rent	33,177	38,314	38,850	38,850
Board vehicles & mileage	1,241	584	1,300	1,300
Consultants	13,000	62	30,000	30,000
Labour Relations Services	19,200	20,538	35,900	35,900
Telephone	4,222	3,887	4,500	4,500
Supplies & other services	17,734	20,310	22,500	22,500
Duplicating	2,704	854	2,850	2,850
Equipment replacement & maintenance	2,741	3,687	4,800	4,800
Computer services allocated	6,248	6,248	34,850	34,850
Legal fees	40,000	49,940	40,000	40,000
	414,413	442,914	520,150	520,150
Corporate Programs				
Employee Development program	35,000	10,895	25,000	25,000
Job Evaluation program				
Employee Assistance program	24,500	20,978	30,500	30,500
Retirement & Long Term Service Awards/Succession Planning	9,000	120	9,000	9,000
Employee Fitness Program	50,000	48,323	69,750	69,750
	118,500	80,316	134,250	134,250
Total Expenditure	$532,913	$523,230	$654,400	$654,400

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Personnel

ORGANIZATION CHART


MANAGER (1)
PERSONNEL & LABOUR RELATIONS
Mark Leffler
ADMINISTRATOR
PERSONNEL SERVICES
Johnstone Hardie
PERSONNEL OFFICER II
Elizabeth McKinlay
PERSONNEL OFFICER I
Marnie Goldberg
P. NNEL ASSISTANT
nda Kinney
PERSONNEL CLERK
(Vacant)
RECEPTIONIST
(Proposed)

	APPROVED	ACTUAL
December 31, 1989	5	5
1990 changes	0	0
September 1, 1990	5	5
1991 Changes	1	
Total December 31, 1991	6	

(1) 30% charged to Personnel and 70% to Labour Relations.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Safety & Security

Long-Term and Ongoing Role - Safety

To provide worker and public safety within Greater Vancouver Regional District operations by developing, implementing by educational and other means, related practices, policies and procedures to ensure performance equals or exceeds all mandated requirements, including Workers' Compensation, Transportation of Dangerous Goods and Workplace Hazardous Materials Information System, etc.

Long-Term and Ongoing Role - Security

To develop and implement suitable security policies and procedures to provide adequate physical security at District facilities and temporary worksites.

1991 Short-Term Objectives

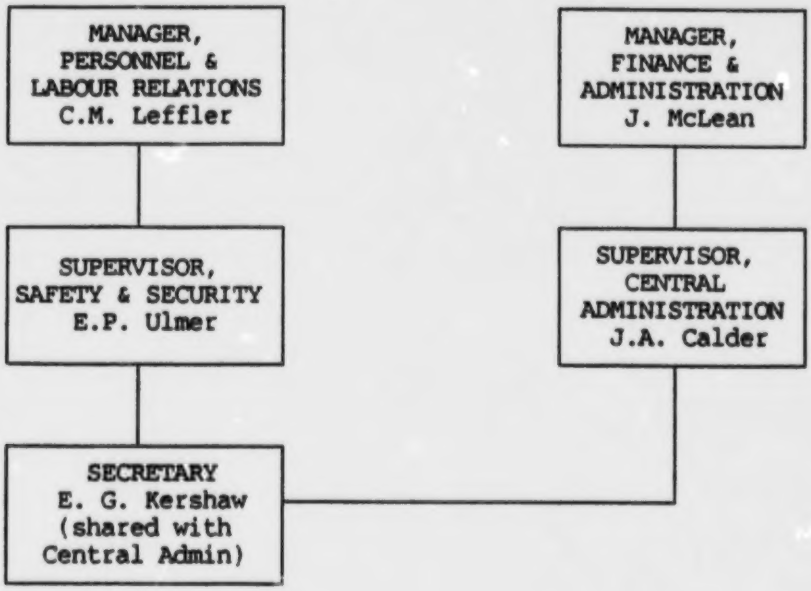
a) Administer yearly Audiometric Testing Program.
b) Provide Emergency Response Training, including self-contained breathing apparatus, chemical suits, chemical procedures.
c) Administer the biennial Survival First Aid Training Program.
d) Facilities inspections to identify and remedy hazards and security weaknesses.
e) Continue review of Transportation of Dangerous Goods training and provide required training for employees newly engaged in work related to same.
f) Offer chainsaw training and instruct in the proper procedures and special techniques to new employees working with chainsaws and to provide refresher training for those previously trained.
g) Continue to provide consultative services to other departments in all areas of Safety and Security.
h) Assist other departments in meeting the requirements of legal legislation entitled "Workplace Hazardous Materials Information System" (WHMIS) which includes inventory, labelling and training in regard to hazards and varying degrees of response in respect to an incident or emergency.
i) Continuing review of operations of equipment including automobiles, other mobile equipment and stationary or portable equipment.
j) Continue with monthly Safety Committee meetings, addressing any specific concerns and/or issues and the committee's monthly inspections of facilities and temporary worksites with follow-up as required.
k) Continue evaluating equipment to meet GVRD safety requirements and recommend purchasing.
l) Continue locksmithing work as related to "Lock-out" requirements and security needs.
m) Investigate in concert with the Risk Management Officer all accidents and deaths on GVRD property.
n) Co-ordinate training for various levels of supervisory personnel in respect to accident investigation, crew talks, safety inspections, safety induction, preparation of written work procedures.
(o) Participate in and co-ordinate an annual performance Safety and Health Audit.
(p) Co-ordinate a Safety Awards Program.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Safety & Security

Organizational Chart


MANAGER, PERSONNEL & LABOUR RELATIONS C.M. Leffler
MANAGER, FINANCE & ADMINISTRATION J. McLean
SUPERVISOR, SAFETY & SECURITY E.P. Ulmer
SUPERVISOR, CENTRAL ADMINISTRATION J.A. Calder
SECRETARY E. G. Kershaw (shared with Central Admin)

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 49,390	$49,690	$ 64,172	$ 64,172
Board vehicles	7,800	6,668	8,050	8,050
Mileage	380	228	380	380
Rent	22,400	24,726	11,788	11,788
Telephone	2,030	2,519	1,960	1,960
Materials & supplies	4,830	13,035	8,200	8,200
Duplicating	1,000	4,767	1,500	1,500
Other services	2,180	3,011	3,709	3,709
Consultants			7,650	7,650
Equipment replacement & maintenance	640	789	640	640
Indirect departmental costs		0	3,360	3,360
Recoveries		(6,245)		
Total Expenditure	$ 90,650	$99,188	$111,409	$111,409

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Property Division

Long-Term and Ongoing Role

Co-ordinate, direct and maintain the District's real estate practices and procedures to a consistent and high standard.

Provide a complete range of property acquisition services, including negotiation and valuation, to ensure timely acquisition of required properties or interests in properties to meet the needs of the Departments.

Administer the general disposition process of lands and improvements that are surplus to the needs of the Districts, including: preparation for disposal, valuation, tendering, marketing and transfer.

Provide property management services for all Departments, with the exclusion of day-to-day operation and maintenance of month-to-month tenancies and the respective buildings unless requested by the Department. Property Management includes: assessment reviews, tax reviews, facilities inventory, properties records, encroachments, general property inquiries, and other property matters arising out of ownership.

1991 Short-term Objectives

1. Continue the acquisition, disposal and property management of incomplete 1990 assignments.

2. Respond to new acquisition, disposal and property management tasks as requested.

3. Complete the inventory of the Water District, Sewer District, Housing Corporation, Parks Department and general GVRD properties and complete entry of data into Property Information System.

4. Priorize all outstanding Water and Sewer District Rights-of-Way.

5. Monitor the Property Information System and institute program changes as required.

6. Complete first draft of Policy and Procedure manual detailing relationship and areas of responsibility between Departments and Property Division.

7. Continue the assembly of legal mapping.

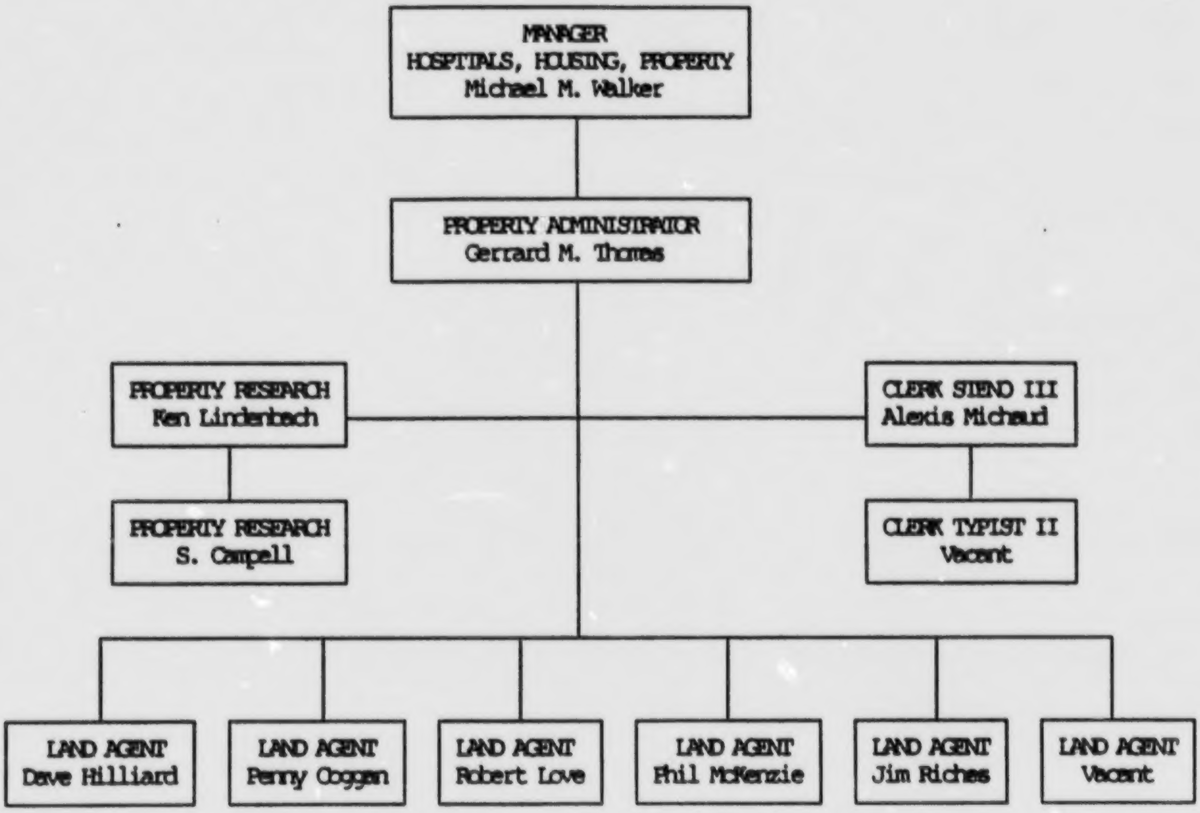
8. Identify selected taxable properties for assessment appeal in 1992.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Property Division

ORGANIZATIONAL CHART


MANAGER
HOSPITALS, HOUSING, PROPERTY
Michael M. Walker
PROPERTY ADMINISTRATOR
Gerrard M. Thomas
PROPERTY RESEARCH
Ken Lindenbach
PROPERTY RESEARCH
S. Campell
CLERK STENO III
Alexis Michaud
CLERK TYPIST II
Vacant
LAND AGENT
Dave Hilliard
LAND AGENT
Penny Coggan
LAND AGENT
Robert Love
LAND AGENT
Phil McKenzie
LAND AGENT
Jim Riches
LAND AGENT
Vacant

	APPROVED	ACTUAL
December 31, 1989	10.1*	10.1
1990 changes	-.75	-.75
September 1, 1990	9.35	9.35
1991 changes	1.75	
TOTAL December 31, 1991	11.1	

*Previous chart showed 8.1 staff to September 1989 and should have shown two (2) full-time temporary Research staff that had been approved. Approved total to December 1989 was actually 10.1.

GREATER VANCOUVER REGIONAL DISTRICT
PROPERTY SERVICES
SUMMARY OF CHANGES TO THE 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	
1990 Final Operating Budget		692,400	
Less: Special non-recurring programs		(56,900)	
1990 Base Budget		635,500	100.0%
Add: Adjustments to Base			
Staff merit increases		7,760	
Legal costs increase		12,000	
Computer services allocation		5,122	
Building rental allocation		5,847	
CASA allocation		420	
Increase in overtime		1,600	
Board vehicle & mileage increase		4,800	
Inflation & GST on base		36,871	
Adjusted Base		709,920	111.7%
1 Land agent position to replace consultant	A	45,700	
1 Clerk-steno position from 25% to 100%	A	13,000	
1 Advertising for new staff	A	5,000	
1 Legal expenses relating to Water & Sewerage Districts	A	40,000	
1 Consultant - Acquisition of right-of-ways	C	200,000	
1 Consultant - Other general increases	A	20,000	
1 Contract services	A	15,000	
2 Maintenance of property info system	A	9,800	
		348,500	54.8%
TOTAL 1991 BUDGET		$1,058,420	166.5%
Total 1990 Budget		692,400	
% Increase		52.9%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Property Division

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$445,700	$437,544	$ 553,981	$553,981
Board vehicles & mileage	10,100	10,499	14,900	14,900
Travel	4,500	2,077	4,000	4,000
Telephone	8,900	8,629	8,250	8,250
Consultants & Contract services	76,300	135,122	261,400	261,400
Legal fees	20,000	87,991	72,000	72,000
Supplies & other services	19,600	29,385	35,700	35,700
Equipment replacement & maintenance	4,200	1,678	3,000	3,000
Computer costs allocated	6,500	6,500	11,622	11,622
Computer programs	18,600	15,278	15,300	15,300
Rent	47,300	55,237	53,147	53,147
Indirect departmental costs allocated	6,000	1,293		
Central Administrative Services allocated	24,700	25,769	25,120	25,120
	692,400	817,002	1,058,420	1,058,420
Less charged to other departments/recoveries	684,000	814,181	1,045,570	1,045,570
Net	$ 8,400	$ 2,821	$ 12,850	$ 12,850

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Finance

Long-Term and Ongoing Role

Finance involves the statutory responsibilities of the Secretary-Treasurer's office, the provision of secretarial services to the Board and Committees, and the provision of financial, accounting, budgeting, purchasing, management information services to the various operating departments in an effective and efficient manner.

The estimated 1991 cash flow for all activities, excluding expenditures to the sole cost of outside organizations, is as follows:

Capital Expenditures	$188,037,000
Annual Operating Expenditures	283,926,000
	$471,963,000

Secretary-Treasurer's Office

- Undertake the statutory duties and responsibilities of Secretary and Treasurer as provided in the Municipal Act, the Hospital Districts' Act, the Greater Vancouver Water District Act, the Greater Vancouver Sewerage & Drainage District Act and the Company's Act.
- Administer all by-laws and documents signed under seal.
- Ensure the provision of secretarial and support services to the Chairman, the Board of Directors and Committees.
- Manage the District's finances in accordance with sound and prudent policies and the relative statutory requirements.
- Ensure the provision of accounting, budgeting, purchasing, insurance, management information services to the various departments and functions in an effective manner.
- Provide research into regional issues affecting local government finances and taxation.

Secretariat

- Provide secretarial and related administrative services to the Board and its function committees including minutes and processing of by-laws.
- Revise and maintain annual voters' lists and conduct local elections (for GVRD Directors and the Island Trust) in the Region's three Electoral Areas, pursuant to the Municipal Act.
- Provide administrative assistance to the Secretary-Treasurer, the Chairperson and Board of Directors as required.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Finance (Continued)

Accounting

- Provide accounting, accounts payable and payroll services for all corporate entities.
- Maintain an on-line computerized integrated financial information system.
- Provide required financial reports to management.
- Prepare the annual financial statements for the various corporate entities.
- Provide assistance to all departments, as requested.

Budget and Treasury

- Co-ordinate and prepare the provisional and annual operating budgets, and the five-year capital expenditure program.
- Provide budget analyses and cost control information to department managers.
- Provide corporate reporting and performance measurement information to senior management.
- Administer the cash, debt and sinking fund management services for all corporate entities.
- Provide assistance to the Treasurer in arranging long-term financing.
- Monitor money market data.
- Provide research services with respect to financial matters affecting the Districts and the region as a whole.

Purchasing

- Provide centralized purchasing of goods and services for the various functions.
- Work with other public bodies in co-operative buying arrangements.
- Administer the District's risk management program.
- Provide a centralized stores operation.
- Dispose of surplus goods.
- Administer part of vehicle fleet.

Management Information Services

- Advise and support the departments/sections in the development of their information systems plans;
- Ensure that appropriate resources are made available in the development and implementation of information systems;
- Provide project leadership and programmer/analyst resources where necessary in the development and implementation phases of information systems;

Management Information Services (continued)

- Retain a catalogue of all data contained in GVRD information systems or available via GVRD information systems.
- Provide a central help desk service to act as a focus for questions and problems raised by departments using the services of M.I.S. and ensure that identified problems are taken to an agreed resolution;
- Provide ongoing operations services for corporate and/or department computer systems and communications networks and ensure that these services meet the levels of service negotiated with the department/sections served; and
- Co-ordinate and provide training on information systems related topics.

1991 Short-Term Objectives

- Continue to press the Provincial government for funding for major water and sewer projects and improved cost-sharing arrangements for financing hospital construction.
- Finalize the mix of funding sources to finance the long-term capital expenditure program.
- Continue to monitor the major issues affecting real property taxation in Greater Vancouver.
- Undertake long-term financing for the various corporate entities as required.
- Undertake an office automation requirements study.
- Co-ordinate a corporate geographic information system study.
- Continue to implement senior management policies and strategies based on the management information systems study.
- Co-ordinate the updating of the information system strategic and tactical plans.
- Review computer system security and backup.
- Review and update capital project cost accounting and reporting.
- Undertake a requirements study with a view to upgrade financial computer software.
- Implement required financial system changes emanating from the study of the Housing Corporation's operating procedures.
- Conduct a review of the central administrative support systems.
- Complete the library on-line computer enquiry system.
- Complete the review of formal contracting procedures.
- Develop a risk identification and analysis plan and a risk retention plan.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

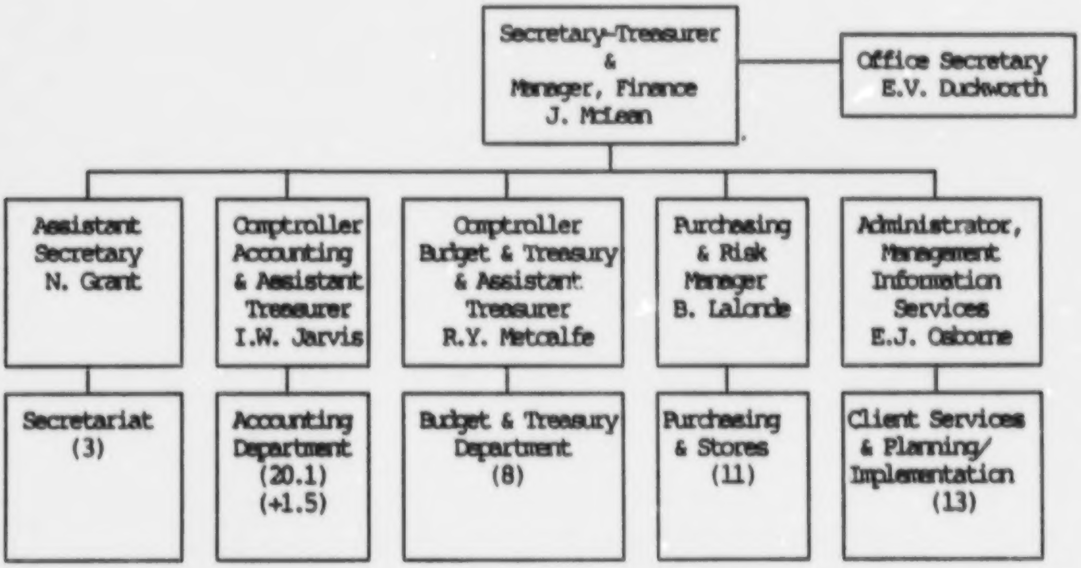
Finance (Continued)

Review of 1990 short-term Objectives

- Amendments to the Water and Sewerage & Drainage Acts were completed and approved by the Board.
- Policy recommendations in the management information system study as approved by the Management Committee are in the process of being implemented.
- Implemented and refined computerized purchasing and commitment system.
- Financial system changes and procedures required to accommodate the introduction of the goods and services tax were implemented.
- Financing alternatives for the five-year capital plan were proposed and discussed with the Board and municipal councils.

Accounting Transaction Volumes

The volume of accounting transactions data entry increased by 13.8% in 1989 and 8% on an annualized basis in 1990.


Secretary-Treasurer & Manager, Finance J. McLean
Office Secretary E.V. Duckworth
Assistant Secretary N. Grant
Comptroller Accounting & Assistant Treasurer I.W. Jarvis
Comptroller Budget & Treasury & Assistant Treasurer R.Y. Metcalfe
Purchasing & Risk Manager B. Lalonde
Administrator, Management Information Services E.J. Osborne
Secretariat (3)
Accounting Department (20.1) (+1.5)
Budget & Treasury Department (8)
Purchasing & Stores (11)
Client Services & Planning/ Implementation (13)

GREATER VANCOUVER REGIONAL DISTRICT
CENTRAL ADMINISTRATIVE SERVICES
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET			1991 PROVISIONAL BUDGET	
1990 Final Operating Budget			2,392,200	
Less: Special non-recurring programs			(12,000)	
1990 Base Budget			2,380,200	100.0%
Add: Adjustments to Base				
Staff merit increases & reclassifications			27,985	
Change in overtime policy			11,000	
Computer services allocation			157,550	
Sundry			1,250	
Inflation & GST on Base			124,356	
Adjusted Base			2,702,341	113.5%
1 Accounts Payable clerk position	A	26,725		
1 Senior accountant position for 3/4 of year	A	34,029		
1 Accounting clerk I position replaced by Senior accountant position	A	(37,905)		
1 Increase in temporary help	A	4,560	27,409	
2 Consultant for G/L system replcement	D		20,000	
3 Purchasing-risk mgt legal fees	A		10,000	
3 Purchasing assistant position	A		39,300	
			96,709	
TOTAL 1991 BUDGET			2,799,050	117.6%
Total 1990 Budget			2,392,200	
% Increase			17.0%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Accounting Department

Activities or Level of Service

To provide the following centralized services to all functions:

Payroll

Accounts payable

General accounting services

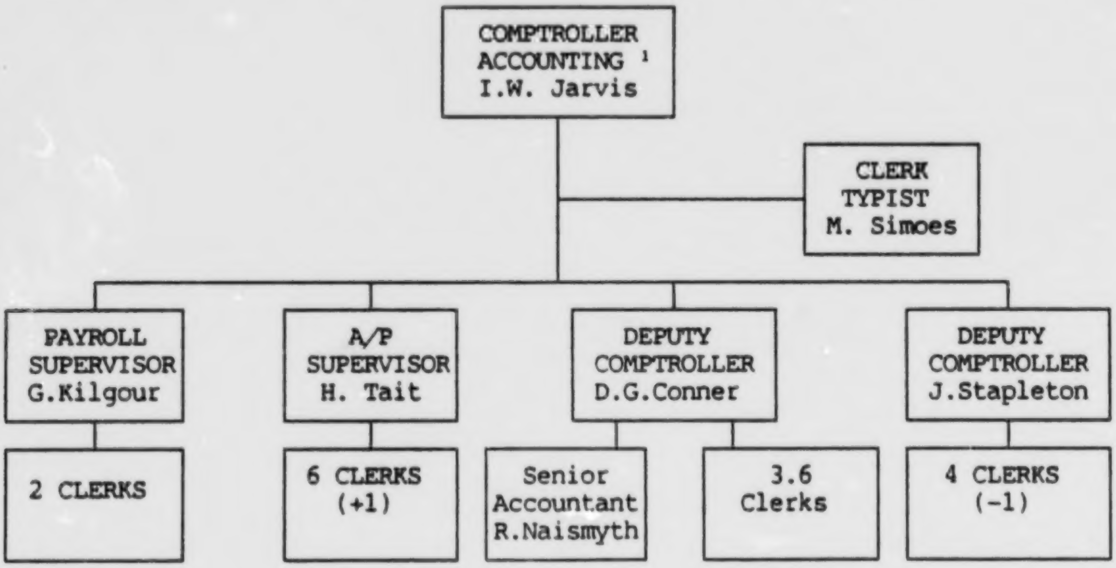
Capital expenditure control and reporting

Periodic financial reports

On-line computerized financial information system available to all functions down to the transaction level of detail.

Claiming Federal and Provincial sales tax rebates on capital projects.

Claiming Federal and Provincial Government grants.


COMPTROLLER ACCOUNTING [1] I.W. Jarvis
CLERK TYPIST M. Simoes
PAYROLL SUPERVISOR G.Kilgour
A/P SUPERVISOR H. Tait
DEPUTY COMPTROLLER D.G.Conner
DEPUTY COMPTROLLER J.Stapleton
2 CLERKS
6 CLERKS (+1)
Senior Accountant R.Naismyth
3.6 Clerks
4 CLERKS (-1)

(1) ½ charged to Administration Offices

	APPROVED	ACTUAL
December 31, 1989	22.6	21.6
1990 changes	(1.0)	0
September 1, 1990	21.6	21.6
1991 changes	1.0	—
TOTAL December 31, 1991	22.6	

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Accounting Department

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 848,200	$ 848,356	$ 966,950	$ 966,950
Mileage & Travel	2,700	2,924	3,650	3,650
Membership, tuitions, fees	7,450	3,028	7,900	7,900
Office expenses				
Rent	131,000	145,158	127,200	127,200
Postage	9,400	11,180	12,650	12,650
Telephone	14,800	14,537	14,900	14,900
Materials & supplies	20,900	23,690	29,000	29,000
Duplicating	1,900	5,173	3,150	3,150
Other services	6,000	14,693	9,650	9,650
Equipment replacement & maintenance	24,200	19,718	24,400	24,400
Consultants		323	20,000	20,000
Computer programs	95,600	80,777	86,000	86,000
Computer services	91,650	91,542	200,850	200,850
Total Expenditure	$1,253,800	$1,261,099	$1,506,300	$1,506,300

GREATER VANCOUVER REGIONAL DISTRICT

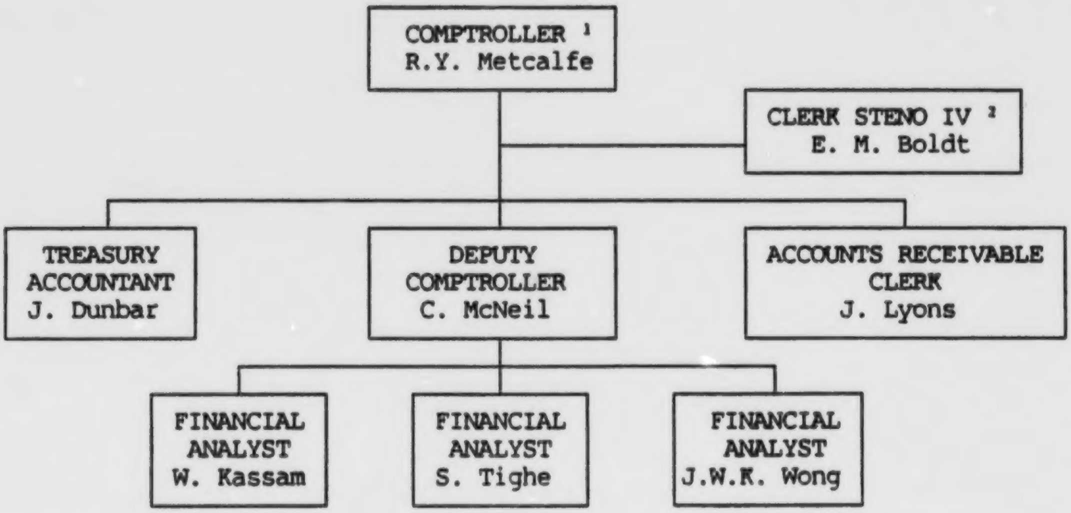
ADMINISTRATIVE SERVICES

Budget & Treasury Department

Activities or Level of Service

To provide the following centralized services to all departments:

- Cash management
- Debt management
- Sinking Fund management
- Annual budget co-ordination and production
- Budget analysis and cost control
- Five-year capital expenditure program co-ordination and production
- Assistance in arranging long-term financing
- Monitoring money market data and providing research for investment and borrowing decisions.


COMPTROLLER [1]
R.Y. Metcalfe
CLERK STENO IV [2]
E. M. Boldt
TREASURY ACCOUNTANT
J. Dunbar
DEPUTY COMPTROLLER
C. McNeil
ACCOUNTS RECEIVABLE CLERK
J. Lyons
FINANCIAL ANALYST
W. Kassam
FINANCIAL ANALYST
S. Tighe
FINANCIAL ANALYST
J.W.K. Wong

(1) ½ charged to Administration Offices
(2) Charged to Administration Offices

	APPROVED	ACTUAL
December 31, 1989	9	8
1990 changes	-1	0
September 1, 1990	8	8
TOTAL December 31, 1991	8	

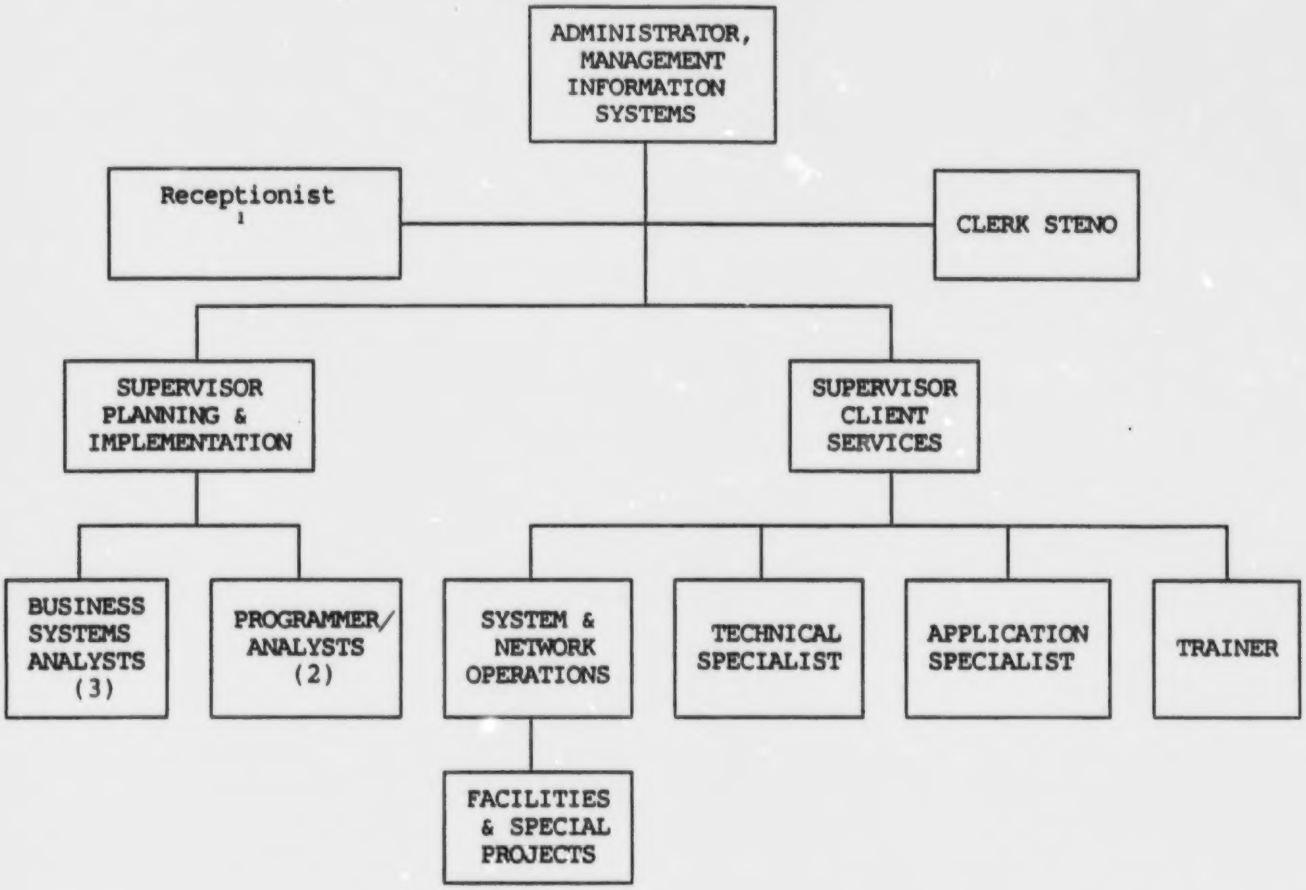
GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Budget and Treasury Department

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$345,850	$337,434	$366,150	$366,150
Mileage	800	634	850	850
Travel	800		800	800
Office expenses				
Rent	48,600	53,924	45,750	45,750
Telephone	5,450	5,231	5,500	5,500
Materials & Supplies	3,950	3,626	4,150	4,150
Duplicating	12,300	13,511	14,550	14,550
Other services	4,850	6,676	5,200	5,200
Equipment replacement & maintenance	13,650	15,598	16,150	16,150
Computer programs	3,500	1,867	3,500	3,500
Computer services	21,050	21,050	54,050	54,050
Total Expenditure	$460,800	$459,551	$516,650	$516,650

GREATER VANCOUVER REGIONAL DISTRICT
ADMINISTRATIVE SERVICES
Management Information Services


ADMINISTRATOR, MANAGEMENT INFORMATION SYSTEMS
Receptionist[1]
CLERK STENO
SUPERVISOR PLANNING & IMPLEMENTATION
SUPERVISOR CLIENT SERVICES
BUSINESS SYSTEMS ANALYSTS (3)
PROGRAMMER/ ANALYSTS (2)
SYSTEM & NETWORK OPERATIONS
TECHNICAL SPECIALIST
APPLICATION SPECIALIST
TRAINER
FACILITIES & SPECIAL PROJECTS

[1] Costs shared with Accounting and Budget & Treasury

	APPROVED	ACTUAL
December 31, 1989	9	7
1990 changes	4	5
September 1, 1990	13	12
1991 changes	2	
TOTAL December 31, 1991	15	

Activities or Level of Service - MIS

To provide systems analysis, design and programming services at the request of department managers.

To monitor the introduction of new computer software application products and report to senior management any applications of which they should be aware.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Management Information Services

By Program

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Central Computer Operations				
Computer	$	$	$ 435,345	
Disc Storage			70,319	
	469,000	504,158	505,664	
Terminals & Printers	52,800	25,425	80,529	
Networks			137,139	
	521,800	529,583	723,332	
Management Information System Support				
Planning			255,981	
Systems & Software Support			260,530	
			516,511	
Technical support & training			285,989	
	409,950	441,833	802,500	
Total Expenditure	931,750	971,416	1,525,832	
Less: Allocated	(931,750)	(971,416)	(1,525,832)	
	Nil	Nil	Nil	

NOTE: 1990 Final Budget reflects combination and reclassification of programs reported separately previously.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Management Information Services

By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$432,750	$421,860	$ 754,970	$ 754,970
Rent	40,300	44,759	94,835	94,835
Telephone	5,380	7,910	9,560	9,560
Materials & Supplies	43,400	61,466	87,400	87,400
Other Services	27,610	46,760	17,976	17,976
Consultants	7,000	31,429	26,000	26,000
Membership, tuitions, fees	18,600	16,012	29,500	29,500
	575,040	630,196	1,020,241	1,020,241
Provision for equipment replacement	216,500	222,379	309,836	309,836
Equipment maintenance	83,360	73,229	103,250	103,250
Software amortization & maintenance	56,850	45,612	92,505	92,505
	356,710	341,220	505,591	505,591
	$931,750	$971,416	$1,525,832	$1,525,832

GREATER VANCOUVER REGIONAL DISTRICT
MANAGEMENT INFORMATION SYSTEMS
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

	OPERATING BUDGET		1991 PROVISIONAL BUDGET	
	1990 Final Operating Budget		931,750	
	Less: Special non-recurring programs		(25,000)	
	1990 Base Budget		906,750	100.0%
	Add: Adjustments to Base			
	Staff merit increases & reclassifications		12,914	
	Building rent allocation		54,535	
	Annualization 1990 staffing		29,800	
	Equipment software additions		63,695	
	Sundry		(42,999)	
	Infaltion & GST on Base		39,852	
	Adjusted Base		1,064,547	117.4%
1	Equipment and software replacement & maintenance	B	85,185	
1	Increased staffing & related costs to institute recommendation of MIS study	B	349,785	
2	Secretarial position	A	26,315	
			461,285	
	TOTAL 1991 BUDGET		**$1,525,832**	168.3%
	Total 1990 Budget		931,750	
	% Increase		63.8%	

NOTES: A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Purchasing and Risk Management

Purpose

To centrally purchase all goods and services;

To provide a centralized stores (inventoried stock) operation;

To dispose of surplus goods;

To provide central risk management including administration of insurance;

To administer part of vehicle fleet.

1991 Short-Term Objectives

1. Establish formal contracting rules and procedures
2. Develop and publish purchasing procedures manual
3. Develop risk identification and analysis plan
4. Develop risk retention plan

1990 Objectives

1. Automated purchasing system implemented being refined
2. Contractual activities reviewed
3. Risk Management analysis commenced

Activities or Level of Service

To invite tenders for the supply of goods and services so as to attain best value for public funds and in a manner which is fair and open to all who wish to do business with the District;

To enter into contracts on behalf of GVRD which best protect it's interests;

To administer tendering procedures for other contracting authorities;

To administer stores operations including maintenance of inventory records;

To maintain furniture and equipment asset inventory;

To determine most appropriate methods of procurement;

To administer performance with regard to goods and services contracts;

To develop sources of supply;

To administer designated fleet of vehicles;

To develop and implement cyclical procurement plans.

To administer claims, both made for and against GVRD as a result of accidental loss;

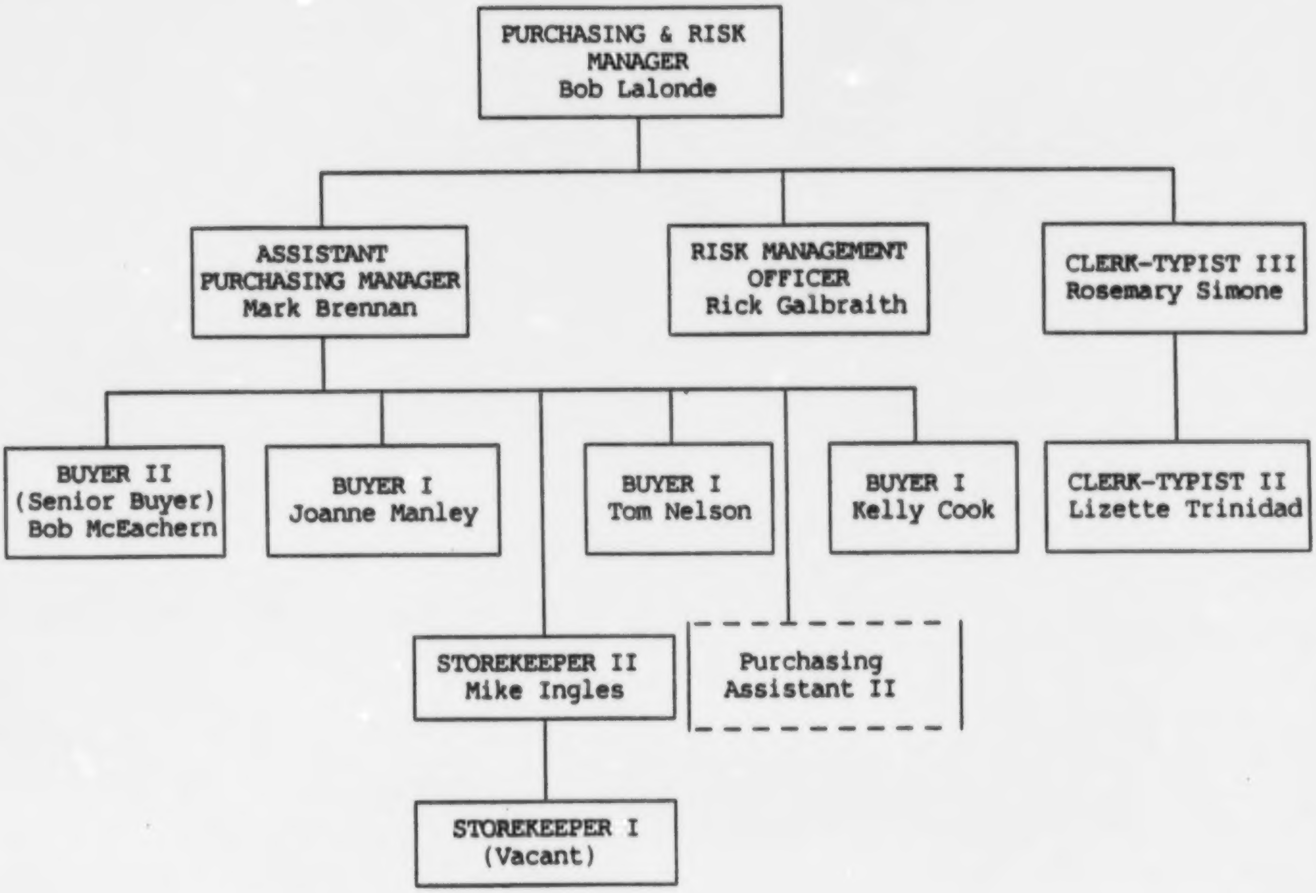
To identify and analyze risks pertaining to accidental loss and apply techniques to mitigate effects.

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Purchasing Department

ORGANIZATION CHART


PURCHASING & RISK MANAGER
Bob Lalonde
ASSISTANT PURCHASING MANAGER
Mark Brennan
RISK MANAGEMENT OFFICER
Rick Galbraith
CLERK-TYPIST III
Rosemary Simone
BUYER II
(Senior Buyer)
Bob McEachern
BUYER I
Joanne Manley
BUYER I
Tom Nelson
BUYER I
Kelly Cook
CLERK-TYPIST II
Lizette Trinidad
STOREKEEPER II
Mike Ingles
Purchasing Assistant II
STOREKEEPER I
(Vacant)

	APPROVED	ACTUAL
December 31, 1989	11	11
1990 changes	0	0
September 1, 1990	11	11
1991 changes	1	
TOTAL December 31, 1991	12	

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Purchasing

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$468,550	$468,095	$542,600	$542,600
Board vehicles & mileage	11,650	12,006	12,800	12,800
Travel		8,377	5,400	5,400
Legal re tenders & contracts	5,000	13,937	7,500	7,500
Legal re Risk Management	12,000	14,765	10,000	10,000
Training	5,500	3,538	3,800	3,800
Office Expenses				
Telephone	12,600	12,779	12,700	12,700
Postage	4,900	3,378	5,350	5,350
Equipment replacement & maintenance	13,150	8,818	13,700	13,700
Computer programs	10,000	10,172	10,000	10,000
Supplies & other services	21,000	23,953	17,750	17,750
Duplicating	1,000	2,060	1,050	1,050
Computer services	60,000	60,000	75,350	75,350
Rent	52,250	59,007	58,100	58,100
Total Expenditure	$677,600	$700,885	$776,100	$776,100

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

Central Administrative Services Summary

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Finance						
Accounting	A31	$1,253,800	$1,261,099	$1,506,300	$1,506,300	20.1
Budget & Treasury	A33	460,800	459,551	516,650	516,650	12.1
Management Information Systems[1]	A35	409,950	441,833			
Purchasing	A40	677,600	700,885	776,100	776,100	14.5
		2,802,150	2,863,368	2,799,050	2,799,050	-0.1
Corporate Services						
Transfer from Personnel	A17	414,413	442,914	520,150	520,150	25.5
Total Expenditure		$3,216,563	$3,306,282	$3,319,200	$3,319,200	3.2

Recovery of Central Administrative Services

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Charges to District Departments					
GVRD functions	$ 469,147	$ 575,824	$ 502,447	$ 502,447	7.1
Operations Division	879,670	708,279	859,251	859,251	-2.3
Engineering Division	219,365	428,717	253,585	253,585	15.6
Mechanical Division	66,654	66,090	69,161	69,161	3.8
Construction Division	192,843	244,594	256,980	256,980	33.3
Quality Control Division	115,021	125,198	122,920	122,920	6.9
Solid Waste Disposal	151,100	160,000	200,408	200,408	32.6
Other minor operations	51,740	50,272	52,151	52,151	0.8
Hospital District Admin.	115,337	79,600	103,036	103,036	-10.7
Regional District Admin.	47,624	43,000	41,885	41,885	-12.1
Water District Admin.	50,285	47,800	56,353	56,353	12.1
Water District Capital	34,000	60,309	43,880	43,880	29.1
Sewerage District Admin.	57,952	53,800	55,795	55,795	-3.7
Sewerage District Capital	15,000	16,019	50,754	50,754	238.4
Sinking Fund Admin.	26,889	27,780	31,585	31,585	17.5
	2,492,627	2,687,282	2,700,191	2,700,191	8.3

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[1] Portion of Management Information Services included in 1990. Reported and allocated seperately in 1991.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Charges recoverable from other sources					
Greater Vancouver Housing Corporation	$ 470,903	$ 492,189	$ 516,730	$ 516,730	9.7
Forestry Division	114,869	128,394	127,009	127,009	10.6
Hospital Projects	50,000	60,465	11,790	11,790	-76.4
Parks Rentals	15,430	15,418	15,774	15,774	2.2
	651,202	696,466	671,303	671,303	3.1
Total Recovery	$3,143,829	$3,383,748	$3,371,494	$3,371,494	7.2
Surplus/(Deficiency) of Recovery over Expenditure	$ (72,734)	$ 77,466	$ 52,294	$ 52,294	
Accumulated recovery from previous years	64,285	64,285	6,606	6,606	
Surplus/(Deficiency) carried forward to next year	$ (8,449)	$ 141,751	$ 58,900	$ 58,900	

GREATER VANCOUVER REGIONAL DISTRICT

ADMINISTRATIVE SERVICES

General Expenses

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$	$ 463	$	$
Audit	61,000	43,592	66,923	66,923
Legal	25,000	5,623	25,000	25,000
Insurance	40,300	37,058	42,400	42,400
Provision for contingencies	40,000		40,000	40,000
Materials, supplies & other services	5,700	22,032	5,700	5,700
Total Expenditure	$172,000	$108,768	$180,023	$180,023

GREATER VANCOUVER REGIONAL DISTRICT
AIR QUALITY
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

	OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	CHANGES FROM F & G R	TOTAL	ADJUSTED BASE
	1990 Final Operating Budget		2,751,600			2,751,600	
	Less: 1990 Non-recurring Programs		(120,000)			(120,000)	
	1990 Base Budget		2,631,600			2,631,600	100.0%
	Add: Adjustment to Base						
	Annualization of 1990 staffing		52,900			52,900	
	Computer cost allocation		63,500			63,500	
	Other central allocated services		14,000			14,000	
	Equipment Replacement Prov		42,500	(42,500)		0	
	Others		25,100	(12,600)		12,500	
	Inflation & GST on Base		202,300			202,300	
	Adjusted Base Budget		3,031,900	(55,100)		2,976,800	113.1%
1	Air Management Planning: Control Priority Development	B	142,300			142,300	
2	Air Management Planning: 8 Month Program	B	15,900			15,900	
3	$ Ambient Air Monitoring: Fraser Valley Monitoring	B	114,200			114,200	
4	Enforcement of Permits/Regulations: Emission Testing	B	57,600			57,600	
5	Discharge Inventory/Fee Management: Consulting	D	140,000			140,000	
6	Bylaw/Regulation Development: Legislation Development	B	162,700			162,700	
7	Discharge Inventory/Fee Management: Implementation	B	35,000			35,000	
8	Vehicle Emission Controls: GO GREEN Cooperative	B	50,000			50,000	
9	Vehicle Emission Controls: Transportation Planning	B	31,600			31,600	
10	$ Ambient Air Monitoring: Source Impact Assessment	B	35,500			35,500	
11	$ Ambient Air Monitoring: 8 Month Program	B	44,500			44,500	
12	Enforcement of Permits/Regulations: Field Inspections	B	20,700			20,700	
13	Enforcement of Permits/Regulations: 8 Month Program	B	33,600			33,600	
14	Bylaw/Regulation Development: Legislation for Approval	B	103,300			103,300	
15	Vehicle Emission Controls: Consulting - Carpooling	D	60,000			60,000	
16	Discharge Inventory/Fee Management: Maintenance	B	16,600			16,600	
17	Vehicle Emission Controls: Vehicle Emission Testing	B	49,500			49,500	
18	Vehicle Emission Controls: 8 Month Program	B	30,400			30,400	
19	Discharge Inventory/Fee Mgt: 8 Month Program	B	15,300			15,300	
20	Bylaw/Regulation Development: 8 Month Program	B	42,900			42,900	
					(192,500)	(192,500)	
			1,201,600		(192,500)	1,009,100	
	TOTAL 1991 EXPENDITURE BUDGET		4,233,500	(55,100)	(192,500)	3,985,900	151.5%
	Less: Program fees and grants						
	Ambient Air Monitoring - New Revenue		(206,300)			(206,300)	
	Ambient Air Monitoring - Existing Revenue		(688,000)			(688,000)	
	Environment Ministry Grant		(475,000)			(475,000)	
	E New Permit Fees		(600,000)	200,000		(400,000)	
	Motor Vehicle Branch Grant	D		(128,000)		(128,000)	
			(1,969,300)	72,000		(1,897,300)	
	NET EXPENDITURE		2,264,200	16,900	(192,500)	2,088,600	
	Total 1990 Budget (Less program fees & grants)		1,588,600			1,588,600	
	% Increase: Base Adjustments		25.2%			21.7%	
	% Increase: Program Changes		17.3%			9.7%	
	% Increase: Total		42.5%			31.5%	

NOTES:

A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.
E. Estimate
$. Self funding

AIR QUALITY

Long-Term and Ongoing Role

The Air Quality programs of the Air Quality and Source Control Department involve the administration and enforcement of the provincial Waste Management Act and GVRD by-laws, the development & revision of the latter, as well as the operation of an extensive ambient air monitoring network.

The District's authorities to carry out these programs stem from delegated provincial responsibilities, under the Waste Management Act, and the conferring of all related municipal powers to the District, under supplementary Letters Patent for an Air Pollution Control function.

For the 1990 and previous budgets, the work of the function was represented as two regulatory programs and two ambient air monitoring programs. The four programs were Bylaw and Waste Management Act Administration and Ambient Air Gaseous and Particulate Monitoring.

The separation of the two ambient air monitoring programs was financially cumbersome and somewhat academic, simply representing the monitoring of different contaminants by the same staff, and often at the same locations. For 1991 and future years, these former two programs are combined as the **Ambient Air Monitoring and Assessment Program.**

The reverse is true for the other two regulatory programs. The related workload has grown increasingly more complex in recent years, and is financially and technically more completely understood when represented as five distinct programs. These are:

Air Management Planning
Bylaw and Regulation Development/Revision
Enforcement of Permits and Regulations
Discharge Inventory and Fee Management
Vehicle Emission Control

The following outlines the basic role of the six 1991 programs.

1. **Ambient Air Monitoring and Assessment** - involves monitoring regional air quality, reporting air quality summary and trend information, as well as assessing the environmental impacts of emission sources.

2. **Air Management Planning** - involves the development of future emission control strategies and programs for the improvement and long-term protection of regional air quality.

3. **Bylaw and Regulation Development/Revision** - involves the development of bylaws and regulations to control a wide range of emission sources. The permitting of emissions, under the Waste Management Act, is included.

4. **Enforcement of Permits and Regulations** - involves the inspection, evaluation and testing of sources which emit contaminants, to ensure compliance with GVRD bylaws and other related regulations and criteria.

5. **Discharge Inventory and Fee Management** - involves the maintenance of regional discharge information to audit the success of emission reduction programs and assess emission fees for recovering GVRD regulatory costs.

6. **Vehicle Emission Control** - involves implementation and review of an emission testing program, assessment of air quality impacts of regional transportation options and promotion of cleaner transportation choices.

1991 Short-Term Objectives

The principal short and long term objectives are to develop and implement rigorous control programs to reduce all forms of air pollution and maintain ongoing compliance with air quality objectives, throughout the region.

To this end, a number of specific initiatives are planned for 1991 and future years to:

- Protect air quality through assessment of sources and improved monitoring.
- Enhance air management planning of long term control strategies.
- Establish new regulations for controlling all types of discharges.
- Provide more comprehensive enforcement of all regulations.
- Verify the progress of controls through discharge audit inventories.
- Develop new fee systems for the recovery of regulatory program costs.
- Implement and evaluate a regional vehicle testing program.
- Evaluate the effect on air quality of regional transportation options.
- Promote the use of carpooling and public transit.

In 1991, the cost of these program changes will be offset by increased fees and monitoring network revenues. In 1992, additional revenues from vehicle emission testing programs will further offset District program costs.

1. Ambient Air Monitoring & Assessment

Several modifications to the regional monitoring network will supplement existing activities. In the Fraser Valley, additional equipment is being added to existing provincial stations to more completely document local air quality.

Data from Pitt Meadows, Abbotsford and Chilliwack stations will soon be available on the District's existing Air Quality Index message system. The installation of a 1-800 phone number for this service will further increase the public access to this information. The costs for these services will be born by the provincial government, through an expanded annual contract for the District's operation of this equipment.

A similar recovery of costs will be applied to additional monitoring around Sea Island. This latter effort will be funded by the Vancouver International Airport to maintain an air quality record in the vicinity of that facility.

Staff is also being added to more thoroughly document the air quality impact of emission sources. In working to improve regional air quality, it is increasingly important to identify the present sources of greatest impact and ensure that proposals for new sources do not compromise the District's ability to meet air quality objectives.

2. Air Management Planning

Air management planning of future regional emission control strategies has been growing, in recent years. A published Stage 1 report of an Air Management Plan projected changes in emissions, over the next 20 years and estimated the resulting impacts on air quality.

Due to the commitments of other ongoing programs, previous planning efforts have relied heavily on consultant investigations of individual issues, with staff using their limited available time to assemble these assessments into a cohesive plan for future air quality programs.

This simplified approach and low resource commitment has unnecessarily delayed progress in developing constructive new regulations to improve air quality. Air management planning efforts in southern California indicate that substantial resources can be required to establish definitive air quality strategies for a regional air basin.

However, both Los Angeles and San Francisco will complete revisions to their Air Management Plans by the middle of 1991. Much of this work can be modified for local conditions and directly applied to the Lower Mainland. The same is true of the Canadian Plan for controlling the precursors of ozone, which is currently in its second draft.

District planning efforts should initially concentrate on interpreting and adapting this Californian and Canadian work to our area, as an effective means of identifying up-to-date control strategies. New staff resources are provided in the 1991 budget to closely monitor this work and develop priorities for improving regional air quality.

3. Bylaw and Regulation Development/Revision

The issuance of Permits and Approvals by an appointed District Director has previously been the principal means of regulating most emissions, particularly those from industrial sources. An existing GVRD By-law addresses incineration and heating installations, with some limited regulation of fireplaces and woodstoves.

The permit system is cumbersome and ineffective in dealing with the simultaneous regulation of large numbers of sources. In 1991, the District will expand the use of by-laws for imposing emission controls on a wider variety of sources. By-laws for the regional control of open burning and for regulating the handling and disposal of Chlorofluorocarbons (CFC's) are among the first issues to be addressed.

Current professional and technical staff are fully committed to the increasing demands of existing control programs. Several professional and technical staff will be added to develop bylaws and update related regulations, in a timely fashion.

4. Enforcement of Permit and Regulations

Additional enforcement resources are being added to implement new bylaw initiatives and improve the compliance monitoring of emission sources. Presently, field compliance samples are taken from less than 10 percent of all regulated emissions. While visual monitoring of some sources is sufficiently accurate, many sources require physical testing to ensure that control equipment is adequately maintained.

Staff will also be implementing more pro-active enforcement strategies, as identified by our solicitors, in their 1990 review of the District's existing enforcement practices. These changes will improve the effectiveness of both air and sewer use enforcement programs.

5. Discharge Inventory and Fee Management

An initial inventory of emission sources was produced for a 1985 base year, as part of the District's planning efforts. Revisions to this work will be used to document the ongoing progress of control programs and verify the effect on air quality of these initiatives.

Air management planning in other large urban areas has indicated that an accurate inventory of the complex soup of societal emissions, must be maintained to maximize the implementation of effective emission controls and the timely improvement of air quality.

Implementation of new District bylaws and improvements in the accuracy and availability of inventory information will also facilitate the assessment and collection of revenue under an expanded system of emission fees and fines.

In Los Angeles, more than 90% of their $120 million budget for regional air quality control comes from such sources. Fees are highest for those operations which discharge large quantities of air contaminants and those which willfully violate emission regulations.

Governments are becoming increasingly reluctant to burden the general taxpayer with the costs of regulating those who diminish the health of regional air quality, particularly when society is already paying a price for the reduced enjoyment of their environment.

Staff is being added to update the existing 1985 inventory information and maintain an audit system to verify the effectiveness of control strategies. New clerical staff is being added to assist in the collection of fees.

6. Vehicle Emission Controls

The District and province have been developing a program for testing the emissions from all Lower Mainland light duty vehicles and trucks. The actual testing operations will be administered by the Motor Vehicle Branch but District staff will assist in both the initial program implementation and the review of resulting air quality impacts.

The District and Provincial program costs will be recovered from vehicle testing fees, once the program is fully operational. A revenue for the District of $700,000 has been estimated, beginning in 1993.

The District and province will be developing an effective regional transportation plan. The air quality impacts of this work are particularly important, as motor vehicles account for 80 percent of air emissions in the region. Individual transportation choices can have dramatically different impacts on regional air quality.

The District's Development Services staff will continue to coordinate regional concerns in transportation planning, however a transportation analyst will be funded from the Air Quality program to work with Development Services staff in evaluating the air quality implications of any proposed transportation alternatives.

In 1991, the District will continue to sponsor the GO GREEN program with Environment Canada, B.C. Transit and the provincial Ministry of Highways. This program began in 1990, to encourage carpooling and the use of public transit, and will continue to be important in educating the public on transportation options which protect the environment.

Review of Prior Year's Objectives

1. Ambient Air Monitoring and Assessment

   A new North Shore monitoring station was added at Mahon Park, and the resulting data is now reported on the GVRD Air Quality Index system. Staff also assisted in upgrading several provincial stations in the Fraser Valley and a 1-800 number will soon be installed to improve the availability of monitoring information to all Lower Mainland residents.

   The planned installation of an air quality monitoring station in Langley was delayed, pending the finalization of siting arrangements. The work will be completed in 1991 to provide improved monitoring within the revised District boundaries.

   An industry funded program was started in the Lake City area, providing air quality monitoring services, required of Trans Mountain Pipeline by the National Energy Board. The program was integrated into other regional monitoring activities.

   The District also continued to renew older monitoring equipment at existing stations. Budgeted resources allow for the replacement of approximately 5% of the capital value of the network per year. This helps to reduce servicing and repair costs and maintain a high capture rate of accurate monitoring data.

2. Air Management Planning

   The Stage 1 Plan report was completed in late 1989. It summarized present emissions and air quality and projected changes over the next 20 years. A detailed public discussion program began in early 1990, to review the Stage 1 recommendations and assist in the development of the work plan for the next stage.

   A contracted Update Report on the Plan was released in the Fall which outlined recommendations for the further work. Deficiencies in program resources were identified to be limiting the progress of District air management planning efforts. The Update Report recommendations were reviewed and modified to produce priority actions for the 1991 budget.

   Staff also worked extensively on developing a Canadian management plan for controlling emissions of Nitrogen Oxides and Volatile Organic Compounds (Hydrocarbons). These precursor emissions lead to ambient ozone levels and solutions from this national work can have direct application within the Regional District. The District's previously mentioned Update Report also specifically reviewed the possible air quality gains of applying these national initiatives.

3. Bylaw and Regulation Development/Review

   In late 1989, a task force of District and municipal staff reported on regional initiatives for controlling the discharge of CFC's and the use of CFC containing products. Local governments subsequently adopted purchasing guidelines and new laboratory procedures to reduce CFC consumption.

   The District also issued two contracts for a pilot program to recover CFC's from discarded refrigerators and automotive air conditioners. The District also began an inventory of CFC sources, in conjunction with senior governments, as discussed in 5. on the next page.

Plans to implement a regional CFC control bylaw were delayed due to concerns from the Canadian Council of Ministers of the Environment that piece-meal implementation of CFC control initiatives by various government levels could impede the overall national progress in solving this important problem.

A tangible role was identified for the District's participation in this national effort, however, and the development of a District bylaw for the recovery and use of CFC's remains a priority for 1991.

4. Enforcement of Permits and Regulations

Staff carried out a comprehensive review of existing enforcement practices with District solicitors and developed a detailed program for District staff to follow in the enforcement of air quality and sewer use requirements.

The District acquired testing equipment to measure levels of volatile organic compounds from emission sources. This will assist staff in setting restrictions for many chemicals which particularly impact on ozone air quality levels.

5. Discharge Inventory and Fee Management

The federal government will be updating the national emission inventory for 1990 and District efforts are being coordinated with this work. While most of the actual inventory activity will be carried out in 1991, an initial review of the District's 1985 work was carried out and necessary database modifications identified.

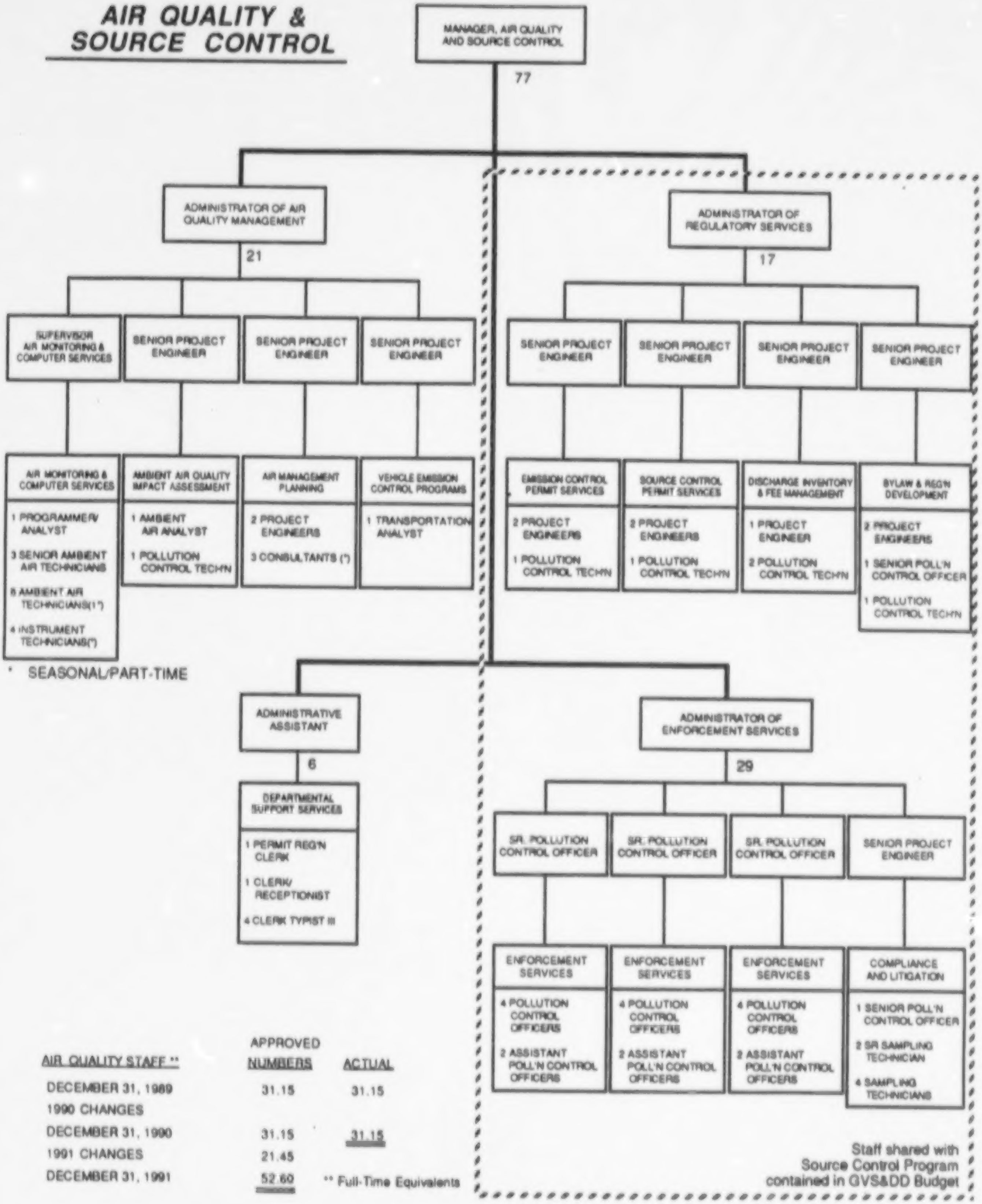
The District also began an inventory of Chlorofluorocarbons and related gases, in cooperation with both the federal and provincial governments. This work will be important in identifying options to reduce global warming and prevent the deterioration of the upper ozone layer.

6. Vehicle Emission Controls

The District hired a consultant to complete the detailed design for a regional vehicle emission testing program and prepare the final Request for Proposals. The Motor Vehicle Branch subsequently assumed the lead role in administering the program and issued the formal proposal call. An implementation contract should be let by the end of the year.

The District was also a sponsor of a GO GREEN program with Environment Canada, B.C. Transit and the provincial Ministry of Highways. This program encourages carpooling and the use of public transit, as a means for improving air quality through changes in personal commuting habits.

AIR QUALITY & SOURCE CONTROL


MANAGER, AIR QUALITY AND SOURCE CONTROL
77
ADMINISTRATOR OF AIR QUALITY MANAGEMENT
21
SUPERVISOR AIR MONITORING & COMPUTER SERVICES
SENIOR PROJECT ENGINEER
SENIOR PROJECT ENGINEER
SENIOR PROJECT ENGINEER
AIR MONITORING & COMPUTER SERVICES
1 PROGRAMMER/ ANALYST
3 SENIOR AMBIENT AIR TECHNICIANS
5 AMBIENT AIR TECHNICIANS(1*)
4 INSTRUMENT TECHNICIANS(*)
AMBIENT AIR QUALITY IMPACT ASSESSMENT
1 AMBIENT AIR ANALYST
1 POLLUTION CONTROL TECH'N
AIR MANAGEMENT PLANNING
2 PROJECT ENGINEERS
3 CONSULTANTS (*)
VEHICLE EMISSION CONTROL PROGRAMS
1 TRANSPORTATION ANALYST
* SEASONAL/PART-TIME
ADMINISTRATOR OF REGULATORY SERVICES
17
SENIOR PROJECT ENGINEER
SENIOR PROJECT ENGINEER
SENIOR PROJECT ENGINEER
SENIOR PROJECT ENGINEER
EMISSION CONTROL PERMIT SERVICES
2 PROJECT ENGINEERS
1 POLLUTION CONTROL TECH'N
SOURCE CONTROL PERMIT SERVICES
2 PROJECT ENGINEERS
1 POLLUTION CONTROL TECH'N
DISCHARGE INVENTORY & FEE MANAGEMENT
1 PROJECT ENGINEER
2 POLLUTION CONTROL TECH'N
BYLAW & REG'N DEVELOPMENT
2 PROJECT ENGINEERS
1 SENIOR POLL'N CONTROL OFFICER
1 POLLUTION CONTROL TECH'N
ADMINISTRATIVE ASSISTANT
6
DEPARTMENTAL SUPPORT SERVICES
1 PERMIT REG'N CLERK
1 CLERK/ RECEPTIONIST
4 CLERK TYPIST III
ADMINISTRATOR OF ENFORCEMENT SERVICES
29
SR. POLLUTION CONTROL OFFICER
SR. POLLUTION CONTROL OFFICER
SR. POLLUTION CONTROL OFFICER
SENIOR PROJECT ENGINEER
ENFORCEMENT SERVICES
4 POLLUTION CONTROL OFFICERS
2 ASSISTANT POLL'N CONTROL OFFICERS
ENFORCEMENT SERVICES
4 POLLUTION CONTROL OFFICERS
2 ASSISTANT POLL'N CONTROL OFFICERS
ENFORCEMENT SERVICES
4 POLLUTION CONTROL OFFICERS
2 ASSISTANT POLL'N CONTROL OFFICERS
COMPLIANCE AND LITIGATION
1 SENIOR POLL'N CONTROL OFFICER
2 SR SAMPLING TECHNICIAN
4 SAMPLING TECHNICIANS

Staff shared with
Source Control Program
contained in GVS&DD Budget

AIR QUALITY STAFF **	APPROVED NUMBERS	ACTUAL
DECEMBER 31, 1989	31.15	31.15
1990 CHANGES		
DECEMBER 31, 1990	31.15	31.15
1991 CHANGES	21.45	
DECEMBER 31, 1991	52.60	

** Full-Time Equivalents

GREATER VANCOUVER REGIONAL DISTRICT

Air Quality
1991 Budget
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue						
Members' tax requisitions		$1,461,448	$1,461,448	$2,134,170	$1,993,668	36.4
Provincial Grant & Emission Fees		475,000	475,000	1,075,000	1,003,000	111.2
Other Revenue - Ambient Air Monitoring		688,000	710,411	894,300	894,300	30.0
Surplus from previous year		127,152	127,152	130,030	94,932	(25.3)
Total Revenue		$2,751,600	$2,774,011	$4,233,500	$3,985,900	44.9
Expenditure						
Ambient Air Monitoring & Assessment (1)	B13	$1,317,300	$1,316,277	$1,653,000	$1,632,700	23.9
Planning, Regulation & Enforcement (2)						
Air Management Planning	B15	73,700		258,000	279,100	
Bylaw & Regulation Development/Revision	B16	266,900		590,300	504,200	
Enforcement of Permits & Regulations	B17	957,100		1,180,200	1,153,400	
Discharge Inventory & Fee Management	B18	66,600		284,900	194,900	
Vehicle Emission Control Programs	B19	70,000		267,100	221,600	
Sub-total (2)	B14	1,434,300	1,362,802	2,580,500	2,353,200	64.1
Total Expenditure		$2,751,600	$2,679,079	$4,233,500	$3,985,900	44.9
Surplus carried to following year			$ 94,932			

(1) 1990 figures combine the previous Ambient Air Gaseous and Particulate Monitoring programs, for comparative purposes.

(2) Previously described as the By-law and Waste Management Act Administration programs, the combined Revised Estimate of which is shown on the Sub-total line, for comparative purposes;

GREATER VANCOUVER REGIONAL DISTRICT

Air Quality
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$1,491,400	$1,416,809	$2,356,200	$2,189,800
Board & rented vehicles	89,000	85,782	93,400	93,400
Mileage	33,000	27,147	39,400	37,400
Travel	8,700	12,078	19,200	17,200
Consultants	226,300	169,926	401,900	337,000
GO GREEN Cooperative Program		50,000	50,000	50,000
Telephones	39,600	47,393	46,300	46,300
Provision for equipment replacement	200,000	173,644	242,500	230,100
Repairs & maintenance	38,000	41,499	40,000	40,400
Materials & supplies	106,400	118,344	151,900	151,900
Other services	11,300	66,443	26,300	20,300
Electricity	9,000	4,662	9,000	9,000
Legal	35,000	26,209	54,600	54,600
Advertising	7,200	15,161	7,600	7,600
Computer operations allocated	4,300	4,300	4,300	4,300
Indirect departmental costs allocated	409,200	374,816	647,000	591,400
Office building rental allocated	43,200	44,866	43,900	43,600
Provision	0	0	0	61,600
Total Expenditure	$2,751,600	$2,679,079	$4,233,500	$3,985,900

GREATER VANCOUVER REGIONAL DISTRICT

Air Quality
1991 Budget
Cooperative Administrative Services

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 49,700	$ 40,574	$ 57,200	$ 57,200
Central administrative services allocated	2,100	2,093	2,200	2,200
General Administrative Services Allocated	300		300	300
Insurance	100		100	100
Office Expenses				
Rent	21,400	23,218	21,400	21,400
Telephones	6,100	5,772	6,100	6,100
Materials & supplies	14,500	19,590	20,400	20,400
Computer operating costs	3,400	3,400	5,400	5,400
Provision for equipment replacement	2,000	1,402	2,000	2,000
Other services	5,400	11,240	5,700	5,700
	105,000	107,289	120,800	120,800
Less allocated to:				
Air Quality & Source Control	(63,000)	(62,998)	(72,500)	(72,500)
Quality Control (GVS&DD/GVWD)	(42,000)	(44,291)	(48,300)	(48,300)
Total Expenditure	$ NIL	$ NIL	$ NIL	$ NIL

GREATER VANCOUVER REGIONAL DISTRICT

Air Quality
1991 Budget
Indirect Departmental Costs

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$107,200	$110,676	$124,000	$124,000
Mileage/Board Vehicles	6,600	6,311	8,200	8,200
Central administrative services allocated	96,000	110,405	104,100	104,100
Cooperative Administrative Services allocated	63,000	62,998	74,400	72,500
General Administrative Services allocated	5,500	6,622	5,500	5,500
Travel	3,600	1,192	3,800	3,800
Radio costs allocated	14,000	14,001	14,000	14,000
Office Building rental allocated	108,400	106,194	242,500	181,500
Postage	4,700	8,497	7,400	7,400
Telephones	24,000	24,089	49,500	41,000
Duplicating	7,100	13,154	17,000	17,000
Materials & supplies	2,100	1,135	2,200	2,200
Computer operating costs	27,100	27,100	153,700	126,800
Provision for equipment replacement	15,000	15,000	30,800	25,400
Other services	5,700	1,615	8,900	8,900
Provision	0	0	0	37,800
	490,000	508,989	846,000	$780,100
Less allocated as an override on salaries of Air Quality & Source Control staff	(490,000)	(508,989)	(846,000)	(780,100)
Total Expenditure	$ NIL	$ NIL	$ NIL	$ NIL

AIR QUALITY

Ambient Air Monitoring & Assessment

Purpose

To maintain a regional monitoring network for the measurement and documentation of contaminants and selected meteorological parameters in the ambient air. Over fifty percent of the cost of this program is contributed by industry and other government sources.

Activities or Level of Service

Ambient air quality information is available through a 24 hour telephone message system which reports the current Air Quality Index for six areas of the District. This information service is well used by the media and general public, who annually make more than 10,000 calls to the system.

The Fall 1990 expansion of this service to the upper Fraser Valley is expected to dramatically increase interest in this information, particularly with the introduction of a 1-800 number to better service all Lower Mainland residents.

This program supports the operation of an extensive air quality monitoring network of 55 stations deployed throughout the GVRD and eastward to Chilliwack. It is a cooperative program supported by industry and the Federal and Provincial governments. District staff service provincial stations in the Fraser valley, under contract with B.C. Environment.

Real time data from 23 of these stations is continuously telemetered to a head office computer for analysis and daily reporting as an Air Quality Index. Written reports are also produced, with some results reported to the National Air Pollution Surveillance Network and World Health Organization.

Staff also assess the impacts of existing and proposed sources of emission on ambient air quality levels, to ensure that proposals for sources do not compromise the District's ability to meet air quality objectives.

A Mobile Air Monitoring Unit (MAMU) is available to provide ambient air monitoring capability in those areas which are not in the vicinity of a fixed monitoring station.

The following activities are performed:

- Maintain and calibrate all related sampling equipment
- Maintain a computer for network operation and recording/analyzing data.
- Maintain a daily recorded Air Quality Index for public/media enquiries.
- Publish data analysis & trend reports for the public and governments.
- Assess air quality impacts of new and existing emission sources.
- Assist in establishing national and provincial air quality objectives.
- Provide telemetry and computer services for the GVWD rainfall data.

Air Quality

Ambient Air Monitoring and Assessment

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 616,500	$ 610,654	$ 819,600	$ 810,900
Board and rented vehicles & equipment	78,100	80,083	78,400	78,400
Mileage	2,100	106	2,800	2,400
Travel	2,800	2,727	4,200	4,100
Consultants	33,900	26,747	37,000	37,000
Other services	3,900	52,278	11,600	6,700
Materials & supplies	97,600	110,789	142,300	142,300
Telephones	35,100	41,240	38,300	38,300
Insurance	2,700	3,062	2,700	2,700
Purchased repairs & maint.	37,100	41,443	39,000	39,400
Electricity	9,000	4,662	9,000	9,000
Provision for Equipment replacement	171,000	141,474	177,100	176,800
Computer costs	4,300	4,300	4,300	4,300
Indirect departmental costs	180,000	151,846	242,800	236,800
Office building rental allocated	43,200	44,866	43,900	43,600
Total Expenditure	$1,317,300	$1,316,277	$1,653,000	$1,632,700

AIR QUALITY

Planning, Regulation and Enforcement

The Province supports these programs through an annual grant and, beginning in 1991, additional revenues will be collected through a system of emission fees.

For 1990 and earlier years, the Bylaw and Waste Management Act Administration programs were associated with these activities. For 1991, the related costs have been combined and then redefined as the five separate programs described on the subsequent pages of this budget.

As 1990 represents a transitional year for splitting the previous two programs into five, the 1990 Final and 1991 Provisional Budget figures are first shown below, as combined totals for the previous two programs. In the further pages which describe the five new programs, the related 1990 and 1991 budget figures for the new programs are separately shown.

The Revised Estimate of 1990 expenditures is only shown, below, as a combined total for all related work.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 874,900	$ 806,154	$1,536,600	$1,378,900
Board vehicles	10,900	5,699	15,000	15,000
Mileage	30,900	27,041	36,600	35,000
Consultants	192,400	143,179	364,900	300,000
GO GREEN cooperative Program		50,000	50,000	50,000
Other services	9,500	18,097	20,300	19,200
Materials and supplies	8,800	7,050	9,600	9,600
Travel	5,900	9,350	15,000	13,100
Legal	35,000	26,209	54,600	54,600
Advertising	6,900	14,826	7,300	7,300
Provision for Equip. Replace.	29,000	32,170	65,400	53,300
Repairs & maintenance	900	56	1,000	1,000
Indirect departmental costs	229,200	222,971	404,200	354,600
Provision	0	0	0	61,600
Total Expenditure	$1,434,300	$1,362,802	$2,580,500	$2,353,200

AIR QUALITY

Air Management Planning

Purpose

To develop future emission control strategies and programs for the improvement and long-term protection of regional air quality.

Activities or Level of Service

Air management planning of future emission control measures has been growing, in recent years. A published Stage 1 report of an Air Management Plan projected changes in emissions, over the next 20 years, and estimated the resulting impacts on air quality. The report was publicly reviewed and a work plan for the next stage, developed.

Previous District planning has relied heavily on consultant investigations of individual issues, with limited staff resources used to assemble these assessments into a cohesive plan for future air quality programs. This simplified approach and low resource commitment has unnecessarily delayed progress in developing constructive new regulations to improve air quality.

Complementary planning work is being done in southern California and at the Canadian federal level, much of which can be modified for local conditions and directly applied to the Lower Mainland. An enhancement of staff resources will allow the District to closely monitor this important work and develop local priorities for improving regional air quality.

The following activities are carried out under this program:

- Review trends in local air quality levels.
- Document control technologies which can be applied to local sources.
- Monitor progress of air management planning, in other areas.
- Develop air management strategies for maintaining desired air quality.
- Participate in public meetings to review air quality priorities.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 40,400		$191,700	$122,800
Mileage	400		1,400	1,000
Travel	300		2,600	1,600
Consultants	22,000		10,900	110,000
Other services	200		1,500	900
Indirect departmental costs	10,400		49,900	31,200
Provision	0		0	11,600
	$ 73,700		$258,000	$279,100

AIR QUALITY

Bylaw & Regulation Development/Revision

Purpose

To develop bylaws and regulatory tools which effectively control all types of air pollution and encourage the application of the best emission control technology, available.

Activities or Level of Service

The issuance of Permits and Approvals by an appointed District Director has been the principal means of regulating most emissions and, under the Waste Management Act, over 400 permits have been issued to control about 3,000 emission sources. An existing GVRD By-law addresses incineration and heating installations, with some limited regulation of fireplaces and woodstoves.

Future regulatory efforts will greatly expand on the use of by-laws as a more effective means of imposing emission controls on a wider variety of sources. By-laws for the regional control of open burning and for regulating the handling and disposal of Chlorofluorocarbons (CFC's) are among the first issues to be addressed.

The following activities are carried out under this program:

- Review currently available control technologies.
- Develop emission control bylaws and regulations for sources.
- Participate in public meetings to review new bylaw proposals.
- Impose emission and/or equipment requirements on emission sources.
- Assist in establishing national and provincial emission guidelines.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$132,600		$327,800	$285,000
Mileage	800		3,000	2,300
Travel	900		4,200	3,700
Consultants	80,400		131,000	110,000
Other services	800		2,700	2,500
Legal	10,000		16,400	16,400
Provision for equipment replacement	7,000		19,500	11,700
Indirect departmental costs	34,400		85,700	72,600
	$266,900		$590,300	$504,200

AIR QUALITY

Enforcement of Permits & Regulations

Purpose

To administer and enforce GVRD bylaws and other regulatory requirements, within District boundaries, through inspections, education and testing.

Activities or Level of Service

Compliance is reviewed through site inspections and emission testing. Annually, about 500 such tests are performed and over 1,000 inspections of emission sources are also conducted as part of an enforcement program of compliance assessment. The application of detailed enforcement procedures expedites the resolution of individual issues.

The District maintains a 24-hour response to citizen complaints of excessive emissions and related air quality problems. Approximately 2,500 such complaints are received annually, with 25-30% being reported outside of normal working hours. These complaints are investigated, remediation secured and action taken for non-compliance with District requirements.

The following activities are carried out under this program:

- Review existing & proposed installations for possible source regulation.
- Inspect & test installations to verify compliance with requirements.
- Resolve problems of noncompliance, and take necessary legal action.
- Provide a 24-hour response to citizen complaints of excessive emissions.
- Participate in public meetings to discuss air quality problems.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$665,400		$ 800,100	$ 786,300
Board vehicles	10,900		15,000	15,000
Mileage	29,600		31,000	30,700
Travel	4,400		5,700	5,700
Telephone	4,500		8,000	8,000
Repairs & maintenance	900		1,000	1,000
Provision for equipment replacement	22,000		45,900	41,600
Other services	10,700		13,800	13,700
Materials & supplies	8,800		9,600	9,600
Indirect departmental costs	174,900		211,900	203,600
Legal	25,000		38,200	38,200
	$957,100		$1,180,200	$1,153,400

AIR QUALITY

Discharge Inventory & Fee Management

Purpose

To maintain an inventory of emissions for auditing the effectiveness of emission reduction programs, and to assess emission fees for recovering the regulatory costs of the District.

Activities or Level of Service

An initial inventory of emission sources was produced for a 1985 base year, as part of the District's planning efforts. A major revision of this work will be based on 1990 figures to coincide with similar national efforts.

An accurate inventory provides the means of measuring the effectiveness of new emission control programs and assists in determining the resulting impact of these initiatives on ambient air quality. The inventory information also facilitates the assessment and collection of revenue under a regional system of emission fees and fines.

In addition to carrying out an overall inventory of the major contaminants, the District also conducts assessments of emission sources of specialized contaminants. An inventory of Chlorofluorocarbons and related gases, is being carried out, in cooperation with both the federal and provincial governments, to assist in identifying options to reduce global warming and prevent the deterioration of the upper ozone layer.

The following activities are carried out under this program:

- Develop and maintain regional emission inventory.
- Identify emission sources which are a priority for potential regulation.
- Provide reports on the effectiveness of emission reduction programs.
- Maintain fee system for the recovery of District regulatory costs.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 36,500		$102,600	$ 89,800
Mileage	100		600	500
Travel	300		1,100	900
Consultants	20,000		152,900	80,000
Other services	200		800	700
Indirect departmental costs	9,500		26,900	23,000
	$ 66,600		$284,900	$194,900

AIR QUALITY

Vehicle Emission Control Programs

Purpose

To educate the general public on the impact of motor vehicles on regional air quality, to develop programs which minimize in-use vehicle emissions and encourage clean transportation alternatives and to ensure that regional transportation planning includes an air quality assessment of alternatives.

Activities or Level of Service

The District and province have been developing a program for testing vehicle emissions in the Lower Mainland. The Motor Vehicle Branch will administer the testing program and District staff will assist in both the program implementation and the review of resulting air quality impacts.

The District and Provincial program costs will be recovered from vehicle testing fees, once the program is fully operational. A revenue for the District of $700,000 has been estimated, beginning in 1993.

The District and province will be developing an effective regional transportation plan. Individual transportation choices can have dramatically different impacts on regional air quality. Air Quality staff will evaluate the air quality impacts of any transportation plan proposals.

The District also sponsors a GO GREEN program with Environment Canada, B.C. Transit and the provincial Ministry of Highways to encourage carpooling and the use of public transit. The program is important in educating the public on transportation options which protect the environment.

The following activities are carried out under this program:

- Review and develop programs to reduce transportation emissions.
- Promote carpooling and other cleaner transportation alternatives.
- Assess the air quality impacts of transportation planning options.
- Assess options for reducing emissions from regional and municipal fleets.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$		$114,400	$ 95,000
Consultants	70,000		70,100	
GO GREEN cooperative Program			50,000	50,000
Mileage			600	500
Travel			1,400	1,200
Other services			800	700
Indirect departmental costs			29,800	24,200
Provision				50,000
	$ 70,000		$267,100	$221,600

GREATER VANCOUVER REGIONAL DISTRICT
HOSPITAL PLANNING
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		621,728		621,728	
Less: Special non-recurring programs		0		0	
1990 Base Budget		621,728		621,728	100.0%
Add: Adjustments to Base					
Staff merit increases		2,022		2,022	
Computer services allocation		44,899		44,899	
Building Rent allocation		13,746		13,746	
Other allocations		1,046		1,046	
Hospital District CASA			(12,301)	(12,301)	
Equipment Replacement Provision			10,301	10,301	
Summer & Temporary Help			2,000	2,000	
Sundry		(10,130)		(10,130)	
Annualization of prior year salary costs (1)		142,473		142,473	
Inflation & GST on base		21,519		21,519	
Adjusted Base		837,303	0	837,303	134.7%
1 Staff & Benefits (2)	A	61,880		61,880	
2 Consultants	A	20,000		20,000	
		81,880		81,880	
TOTAL 1991 OPERATING BUDGET		**$919,183**		**$919,183**	
Total 1990 Budget		621,728		621,728	
% Increase		47.8%		47.8%	
TOTAL 1991 BUDGET (Net of Recoveries)		849,083		849,083	
Total 1990 Budget		621,728		621,728	
% Increase		36.6%		36.6%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.
1. Partially offset by recoveries for the Bed availability system ($30,100)
2. Partially offset by the Parking Lot operations ($40,000).

HOSPITAL PLANNING

Long-Term and Ongoing Role

The long-term role of the Hospital Planning Department is outlined in Section 20 of the Hospital Act and Letters Patent dated June 29, 1967. In summary, the Department's long range role is to promote planning to establish the most appropriate health care facilities in locations required by the residents of the Greater Vancouver Regional District.

This role is implemented by developing long-range planning objectives with the Ministry of Health, allocating resources to hospital planning and construction projects, and promoting the appropriate delivery of health care consistent with the changes and improvements in the health care delivery system.

As a result of the favorable disposition of the Ministry of Health to the GVRHD Role Review, the 1991 Hospital Planning Department budget provides resources to commence fulfilling the role of planning for health services. According to the Role Review document this is the first stage of examining health care needs for acute and extended care facilities. In time and as our expertise expands, planning into other aspects of health care may become a revised mandate.

1991 Short-Term Objectives

1. Continue program to provide additional extended care facilities.
2. Establish a more equitable formula for sharing capital financing for Provincial referral institutions.
3. Continue the development and refinement of the Health Planning Database with the addition of HMRI, Bed Availablity and Financial data.
4. Develop a Health Care Planning function and embark initially on an acute care plan.
5. Develop a centralized data and parking card system.

Review of Prior Year's Objectives

1. Continue to Provide Extended Care Facilities

   This is a part of a long-range plan, as outlined in the GVRHD Geriatric Care Planning Model. As a result of the growing aged population, we are continuing to recommend the allocation of beds to various locations to meet the needs of the residents of the GVRD.

   Construction has commenced for the new 225 bed St. Vincent's Langara project and additional beds in Burnaby and Richmond.

   Planning has commenced for new units in Langley, Port Moody and Port Coquitlam. Land is being sought in Surrey and further sites will be evaluated from time to time.

Review of Prior Year's Objectives (Continued)

2. Continue to Work Toward Developing a Long-Range Health Care Plan

The First Phase of this plan is complete with the development of the Regional Geriatric Care Planning Model and Obstetrics Report. These reports form the basis for the provision of extended care and obstetric beds in this Region.

The development of a Long-Range Health Plan will require additional resources. We are working with the Ministry to share their data base on hospital utilization as the First Phase of the development of a revised GVRHD role.

The Joint Working Committee composed of elected officials, Deputy Minister of Health and senior staff from both agencies have conducted a through evaluation and recommendation for health services planning by the GVRHD.

3. Establish a more equitable formula for sharing Capital Financing for Provincial Referral Institutions

A case was presented to the Ministry which showed that financing of hospitals originally under their jurisdiction, should be continued. The GVRHD has also not agreed to accept financing of equipment for Provincial Institutions. As part of our role in the provision of hospital services, the GVRHD has submitted a position in the Royal Commission and in the Role Review document that we discontinue financing the share of capital costs associated with referral institutions.

4. Continue the development and refinement of the Health Planning Database

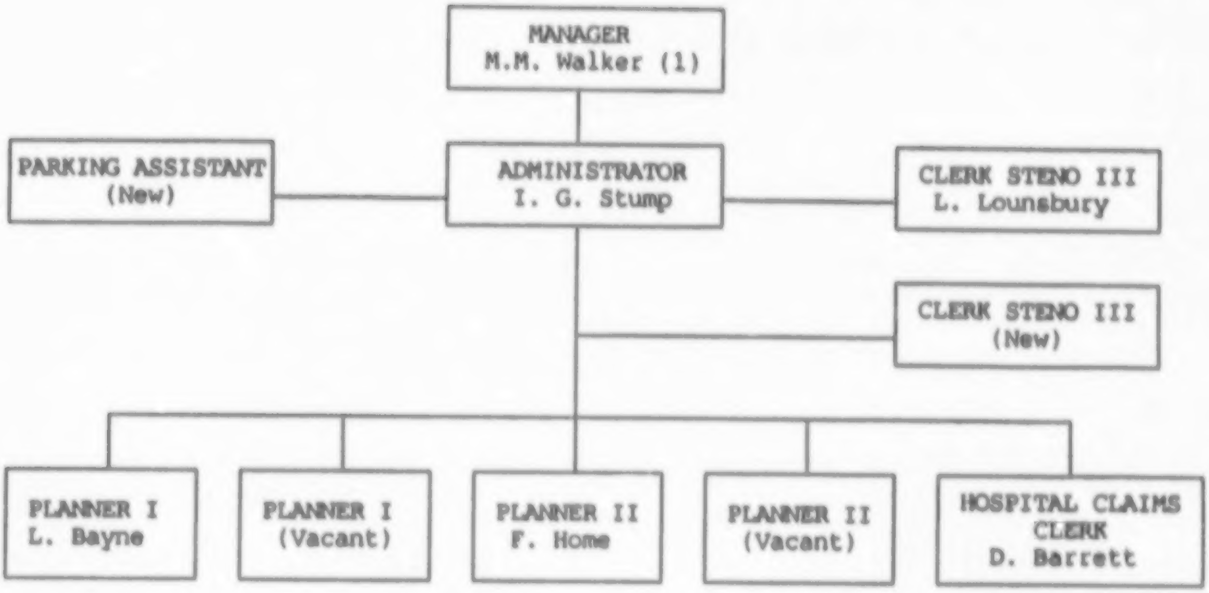
A program for the development of a GVRHD Health Planning database has begun. Consultants were commissioned to develop software and data needs for this system. During 1990 the HIA 1535, population and Master Plan modules were completed.

5. Examine the Centralization of Parking Card Data for GVRHD Parking Lots

The feasibility of transferring parking card data, utilization statistics, and cash monitoring capability to a central computer has been examined. The first phase of the process of centralizing this data will be in cash control and operations management. Specifications have been developed as the first stage is acquiring the automated control system.

HOSPITAL PLANNING DEPARTMENT

Departmental Organization Chart


MANAGER
M.M. Walker (1)
PARKING ASSISTANT
(New)
ADMINISTRATOR
I. G. Stump
CLERK STENO III
L. Lounsbury
CLERK STENO III
(New)
PLANNER I
L. Bayne
PLANNER I
(Vacant)
PLANNER II
F. Home
PLANNER II
(Vacant)
HOSPITAL CLAIMS CLERK
D. Barrett

	APPROVED	ACTUAL
December 31, 1989	5.25	5.25
1990 changes	2.00	
September 1, 1990	7.25	5.25
1991 changes	2.00	
TOTAL December 31, 1991	9.25	

(1) Charged to Hospital Planning (25%) and Housing Corporation (65%) and Properties (10%).

GREATER VANCOUVER REGIONAL DISTRICT

Hospital Planning
Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue					
Members' tax requisitions	$584,172	$584,172	$773,020	$767,366	32.3
Recoveries:					
Bed Availability System			30,100	30,100	
Parking Lot Operations			40,000	40,000	
Surplus from previous year	37,556	37,556	76,063	81,717	102.5
	$621,728	$621,728	$919,183	$919,183	47.84
Expenditure					
Planning & administration	$621,728	$540,011	$919,183	$919,183	47.84
Surplus carried to following year		$81,717			

GREATER VANCOUVER REGIONAL DISTRICT

Hospital Planning
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Hospital District administration allocated	$115,300	$ 79,600	$115,337	$115,337
Salaries & employee benefits	294,847	259,164	499,200	501,200
Board vehicle	1,560	1,791	2,560	2,560
Mileage	5,500	4,107	11,500	11,500
Travel	7,000	9,087	17,000	17,000
Other services	5,918	11,840	23,738	23,738
Consultants	34,000	54,267	54,000	54,000
Office expenses				
Rent	36,700	40,703	50,446	50,446
Postage	1,947	2,709	4,000	4,000
Telephone	5,632	5,199	11,000	11,000
Supplies	5,774	7,008	9,024	9,024
Printing & duplicating	6,080	3,091	12,000	12,000
Equipment replacement & maintenance	14,133	24,622	24,133	34,434
Indirect department costs allocated	12,369	11,286	12,369	12,369
Central administrative services allocated	17,700	16,232	17,700	5,399
Computer operating costs allocated	2,800	2,800	47,699	47,699
General administrative services allocated	6,468	6,505	7,477	7,477
Contingency for increased planning responsibilities	48,000	0		
Total Expenditure	$621,728	$540,011	$919,183	$919,183

GREATER VANCOUVER REGIONAL DISTRICT
LABOUR RELATIONS
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	
1990 Final Operating Budget		1,974,269	
Less: Special non-recurring programs		(184,150)	
1990 Base Budget		1,790,119	100.0%
Add: Adjustments to Base			
Staff merit increases		12,141	
Replacement staff hired at new pay grade		(15,237)	
Decrease in benefit rate		(12,909)	
Building Rent allocation		(9,919)	
Telephone allocation		(240)	
Computer services allocation		71,155	
CASA allocation		(3,632)	
General Admin allocation		1,012	
Expenditure for increased bargaining activities		39,000	
Inflation & GST on base		52,556	
Adjusted Base		1,924,046	107.5%
Reduction in existing programs			
Consultant- Regional Jobs Data and contract analysis		(14,000)	
Decrease in legal fees for general advice		(5,000)	
		(19,000)	
Subtotal		1,905,046	106.4%
1 Consultants- advice on Pay Equity implementation	D	75,000	
2 Legal Fees re: firefighter's cancer claim	D	50,000	
3 Consultant filling Compensation analyst position	D	55,000	
4 Consultant-WCB claims management service	C	50,000	
		230,000	
Total Operating Budget		2,135,046	119.3%
TOTAL 1991 BUDGET		**$2,135,046**	
Total 1990 Budget		1,974,269	
% Increase		8.1%	

NOTES:
A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

LABOUR RELATIONS

Long-Term and Ongoing Role

The Labour Relations Department of the GVRD has been established to provide professional labour relations services for Regional District municipalities, related Associations, Boards and Commissions and the District itself.

The Department has three primary purposes:

- to conduct collective bargaining on behalf of constituent employers within the policy guidelines established by the Labour Relations Bureau and to provide advice and guidance regarding the administration of collective agreements and any other labour relations matters on request.
- to administer classification and pay plans covering bargaining unit positions within constituent employer organizations; to ensure the viability of the job evaluation system and on request, to implement and maintain job evaluation/salary administration programs for exempt employees.
- to provide research and analysis on all aspects of labour relations practices and trends in support of the collective bargaining and compensation functions and in response to specific needs of constituent employers.

OBJECTIVE

To provide timely, effective labour relations, compensation services and research support, in order to assist the constituent employers in maintaining and improving employee relations which will enhance their ability to deliver cost-effective services to the public.

LABOUR RELATIONS

1991 Short Term Objectives

The major short term objectives of the Collective Bargaining Division will include:

- conclusion of major negotiations wwith CUPE/VMREU, Firefighter and Police Unions;
- continuing to improve the effectiveness of collective bargaining staff through the introduction of information processing systems.

The Research and Analysis Division will be engaged in:

- analysis of settlement trends; wage and salary comparisons; and related data collection in support of negotiations;
- publication of the annual Trades and Labour Survey;
- publication of Management Update, the Department's regular communication vehicle.

The objectives of the Compensation Services Division will include:

- streamlining the operation of the classification system by reducing the number of job classes;
- development of improved, consistent methodology for reporting activity levels;
- investigating and recommending changes in job evaluation systems to ensure equitable pay.
- coordinating the installation of a new job evaluation system for the Region.

LABOUR RELATIONS

Review of Prior Year's Objectives

During 1990, the Collective Bargaining Division was heavily involved in preparation for re-negotiations of all collective agreements which expire in December 1990. Negotiations were concluded with Theatre and Stage Employees in Vancouver, and commenced with Nurses' locals in five jurisdictions (those agreements expired December 1989). Negotiations commenced with Police, Firefighter and CUPE/VMREU groups in the fall of 1990. The Collective Bargaining Division also conducted training seminars on matters of collective agreement administration for staff of constituent employers and introduced new technology to facilitate text retrieval and management.

The Research and Analysis Division produced the annual Trades and Labour Survey; provided support for collective bargaining; coordinated publication of the Management Update; and continued to refine the Labour Relations Information Report.

LABOUR RELATIONS

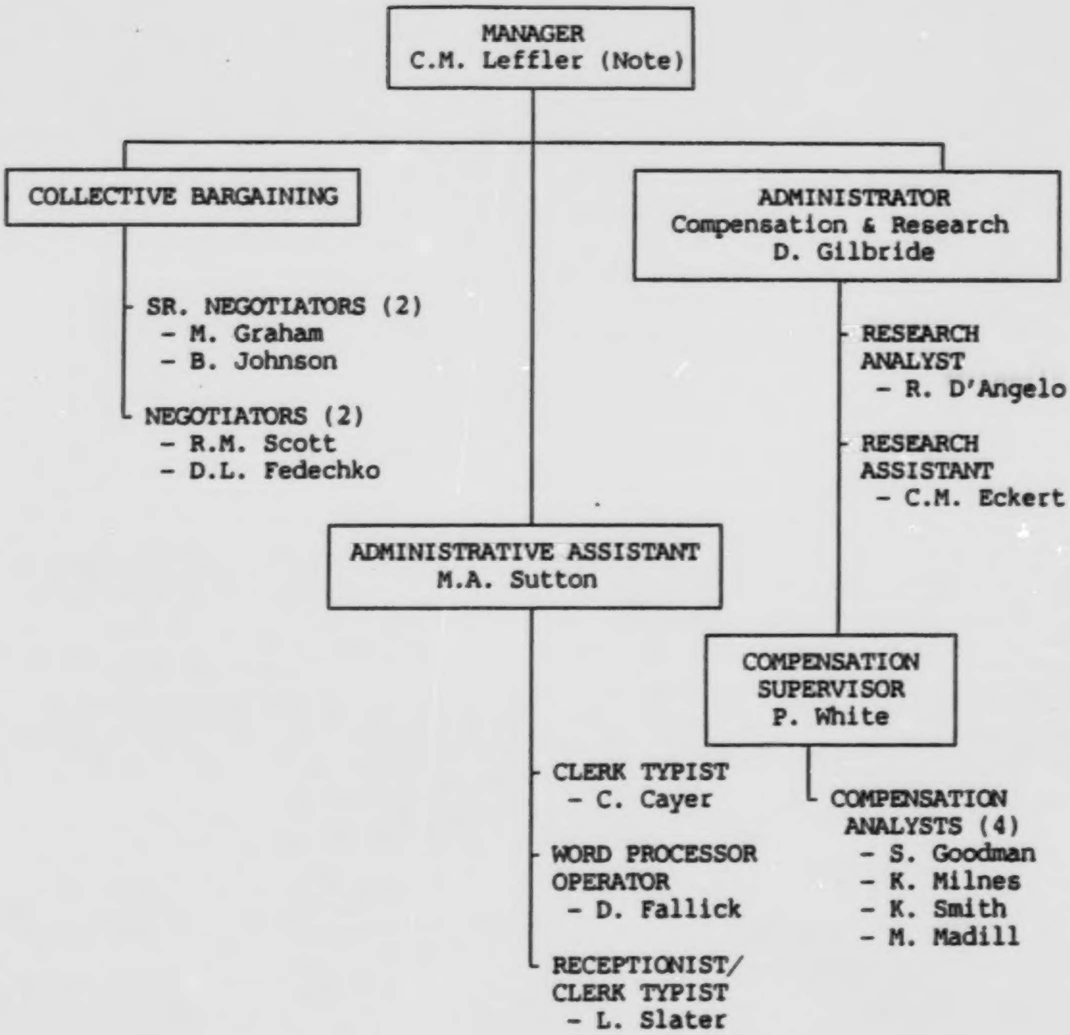
Review of Prior Year's Objectives (continued)

The Compensation Services Division continued to process a high volume of classification reviews. During 1990 (first three quarters) the Division responded to 318 requests for reviews. The 1990 projected total of 430 requests compares to a total of 515 in 1989, which was a record year. The Division also conducted a number of information seminars for staff of member municipalities and, in conjunction with Personnel Directors, participated in an extensive review of operation of the regional job classification system. The Division was also actively preparing for the introduction of a new job evaluation system.

The Department also conducted a 1½ day seminar for members of the Labour Relations Administrative Committee and Municipal Personnel Directors' Committee, as well as strengthening communications with employer associations in Victoria and the Okanagan. In addition, the Department was engaged in a comprehensive review of pay policies and practices related to the concept of pay equity and coordinated the conduct of arbitration, human rights and Workers' Compensation cases of regional significance.

LABOUR RELATIONS DEPARTMENT

Departmental Organization Chart


MANAGER
C.M. Leffler (Note)
COLLECTIVE BARGAINING
SR. NEGOTIATORS (2)
- M. Graham
- B. Johnson
NEGOTIATORS (2)
- R.M. Scott
- D.L. Fedechko
ADMINISTRATOR
Compensation & Research
D. Gilbride
RESEARCH ANALYST
- R. D'Angelo
RESEARCH ASSISTANT
- C.M. Eckert
ADMINISTRATIVE ASSISTANT
M.A. Sutton
CLERK TYPIST
- C. Cayer
WORD PROCESSOR OPERATOR
- D. Fallick
RECEPTIONIST/ CLERK TYPIST
- L. Slater
COMPENSATION SUPERVISOR
P. White
COMPENSATION ANALYSTS (4)
- S. Goodman
- K. Milnes
- K. Smith
- M. Madill

(PERSONNEL SERVICES SHOWN SEPARATELY)

	APPROVED	ACTUAL
December 31, 1989	18	17
1990 changes	(1)	
September 1, 1990	17	17
1991 changes	0	
TOTAL December 31, 1990	17	

Note: 30% of salary charged to Personnel Section

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
Revenue & Expenditure Budget
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue						
Members' tax requisitions		$1,862,194	$1,852,927	$1,940,911	$1,928,491	4.2
GVRD contributions		20,450	20,450	35,900	35,900	75.6
Surplus from previous year		91,625	91,625	158,235	170,655	72.7
Total Revenue		$1,974,269	$1,965,002	$2,135,046	$2,135,046	8.1
Expenditure						
Collective Bargaining	D7	$ 360,878	$ 342,204	$ 382,785	$ 382,785	6.1
Research & Analysis	D8	113,964	109,787	127,552	127,552	11.9
Compensation Services	D9	792,999	747,078	796,425	796,425	0.4
Administration	D10	229,153	196,579	317,365	317,365	38.5
Indirect Departmental Costs	D11	327,275	324,442	382,169	382,169	16.8
		1,824,269	1,720,090	2,006,296	2,006,296	10.0
Legal fees		100,000	74,257	51,500	51,500	
Pay Equity		50,000	0	77,250	77,250	
Total Expenditure		$1,974,269	$1,794,347	$2,135,046	$2,135,046	8.1
Surplus carried to following year			$ 170,655			

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 996,081	$ 921,425	$ 975,194	$ 975,194
Board & rented vehicles	4,300	7,005	4,730	4,730
Mileage	23,250	19,048	23,400	23,400
Accommodation	5,000	4,040	15,000	15,000
Advertising	3,000	1,942	28,000	28,000
Publications	6,240	5,846	6,240	6,240
Membership, conference & tuition fees	26,000	27,855	23,000	23,000
Consultants	75,000	27,898	196,730	196,730
Legal	125,000	80,284	92,700	92,700
Job evaluation services City of Vancouver	373,123	373,123	373,123	373,123
Travel	6,500	4,379	6,500	6,500
Central administrative services allocated	52,665	53,114	49,033	49,033
General administrative services allocated	6,468	6,622	7,480	7,480
Office expenses				
Materials & supplies	10,400	15,981	8,000	8,000
Computer services allocated	24,016	24,016	95,171	95,171
Office rent	153,924	170,586	144,005	144,005
Postage	3,640	2,067	3,000	3,000
Telephone	16,802	16,253	16,440	16,440
Equipment replacement and maintenance	43,800	29,745	46,800	46,800
Printing & duplicating	8,320	2,877	6,000	6,000
Other services	10,740	6,002	14,500	14,500
	1,974,269	1,800,108	2,135,046	2,135,046
Recoveries		(5,761)		
Total Expenditure	$1,974,269	$1,794,347	$2,135,046	$2,135,046

LABOUR RELATIONS

Collective Bargaining Program

Purpose

To conduct collective bargaining, to provide labour relations advice, and to manage and process labour relations issues of regional significance in a professional and timely manner on behalf of constituent employers.

Activities or Level of Service

There are more than 60 collective agreements to be negotiated at frequent intervals. Because several of them have been negotiated in a joint manner recently, these agreements normally cover more than 40 separate sets of negotiations. Activities of the Division include:

1. The actual conduct of the negotiations.
2. Preparation of memoranda.
3. Preparation of employer proposals and rationale.
4. Liaison with municipal officials by means of regular written reports, supplemented as often as possible by briefing sessions.
5. Drafting of agreements, in conjunction with municipal officials.
6. Special research, e.g. Equal Pay/Contracting Out.
7. Preparation of employer submissions for interest arbitration proceedings.
8. Analysis of member jurisdictions' arbitration awards and provision of advice to members regarding modification of practices and procedures.
9. Analysis of current management systems such as sick leave and absenteeism, occupational health and safety, and provision of advice and recommendations to individual members upon their request.
10. Monitoring the new agreements which will be carried out in conjunction with municipal officials.
11. The staffing of joint employer/union committees.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$339,278	$326,433	$346,185	$346,185
Mileage	9,600	7,247	9,600	9,600
Travel	2,000	1,600	2,000	2,000
Other services	5,000	2,659	10,000	10,000
Negotiations & other accommodation	5,000	4,265	15,000	15,000
Total Expenditure	$360,878	$342,204	$382,785	$382,785

LABOUR RELATIONS

Research & Analysis Program

Purpose

To provide the operating groups of the Department and constituent employers with updated information on trends in compensation, labour relations and other human resource issues of interest and concern. The Division also analyzes issues and trends to provide the basis for recommended policy decisions either within the Department or within constituent employers.

Activities or Level of Service

1. Collection and analysis of cost data, benefit usage patterns and other pertinent data, from member municipalities for collective bargaining purposes.
2. Gathering of external cost data and wage and benefit levels in order to permit comparative analysis between the members and the rest of the community.
3. Review of pertinent literature to permit identification of current and anticipated problem issues and subsequent analysis to provide a basis for policy determination by the Bureau Directors.
4. Liaison with the Business Council in order to keep abreast of current developments and trends affecting other major employers.
5. Liaison with other public employers within B.C. and with officials of other major Canadian cities which may influence the members by their actions, in order to contribute to the development of external compensation data.

Alternatives

None applicable.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$110,314	$107,124	$123,752	$123,752
Mileage	1,650	2,237	1,800	1,800
Travel	1,500	362	1,500	1,500
Other services	500	64	500	500
Total Expenditure	$113,964	$109,787	$127,552	$127,552

LABOUR RELATIONS

Compensation Services Program

To administer the Regional job evaluation plan on behalf of constituent employers by allocating union positions to appropriate job classifications and recommending pay levels for those classifications to ensure regional equity; to represent constituent employers at classification appeal hearings; and, as requested, implement and maintain job evaluation and salary administration programs for exempt employees.

Activities or Level of Service

1. Upon referral from individual personnel directors, department staff interview employees, supervisors and department heads, analyze the results and prepare recommendations as to classification and pay which take into account internal equity within the particular municipality and external harmony in consideration of the principle that an equal level of work within an occupational grouping should command an equal pay level throughout the region.
2. Represent the municipalities in negotiations and arbitrations with unions with respect to disputed employer decisions.
3. Upon the request of individual municipalities, develop, install and administer Executive and Exempt staff plans and performance appraisal systems including developing and recommending Executive and Exempt salary policy.
4. Undertake special projects related to alternate job evaluation systems.

Alternatives

None applicable.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$397,376	$336,478	$351,322	$351,322
Mileage	12,000	9,562	12,000	12,000
Consultants	10,000	26,714	59,480	59,480
Other services	500	1,201	500	500
Job Evaluation Services City of Vancouver	373,123	373,123	373,123	373,123
	792,999	747,078	796,425	796,425
Pay equity	50,000		77,250	77,250
Total Expenditure	$842,999	$747,078	$873,675	$873,675

LABOUR RELATIONS

Administration Program

Purpose

To plan and control the Collective Bargaining, Compensation Services and Research & Analysis Programs and to provide a high level of clerical expertise and efficient support services to the entire Department.

Activities or Level of Service

1. Establishment of goals and objectives, independently and through consultation with the Regional Manager, LRAC and LRB.
2. The identification of Department priorities.
3. The planning and control of departmental activities.
4. The implementation of organization and management systems to facilitate work flow.
5. Administration of a variety of office functions such as word processing, records management and work procedures necessary to effective operation of the Department.
6. The preparation of budgets and the accounting of expenditures.
7. The co-ordination of review and control procedures to compare results to plan.
8. Liaison with member municipalities.
9. Liaison with government, union and business officials.
10. The initiation, review and implementation of human resource development programs for Department staff.

Alternatives

None applicable.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$149,113	$151,388	$153,935	$153,935
Board & rented vehicles	4,300	7,005	4,730	4,730
Travel	3,000	1,930	3,000	3,000
Membership fees	26,000	27,425	23,000	23,000
Advertising	3,000	1,942	28,000	28,000
Legal	25,000	6,027	41,200	41,200
	210,413	195,717	253,865	253,865
Consultants	15,000	1,184	60,000	60,000
Other services	3,740	4,052	3,500	3,500
	229,153	200,953	317,365	317,365
Recoveries		(4,374)		
	$229,153	$196,579	$317,365	$317,365
Legal Fees (WCB Claims)	$100,000	$ 74,257	$ 51,500	$ 51,500
Total Expenditure	$329,153	$270,836	$368,865	$368,865

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
1991 Budget
Indirect Departmental Costs

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Rent	$153,924	$170,586	$144,005	$144,005
Postage	3,640	1,605	3,000	3,000
Telephone	16,802	15,504	16,440	16,440
Publications	6,240	5,846	6,240	6,240
Materials & supplies	10,400	11,483	8,000	8,000
Equipment replacement and maintenance	43,800	27,139	46,800	46,800
Duplicating	8,320	2,877	6,000	6,000
Other services	1,000	7,036		
Computer services allocated	24,016	24,016	95,171	95,171
Central Administrative Services allocated	52,665	53,114	49,033	49,033
General Administrative Services allocated	6,468	6,622	7,480	7,480
	327,275	325,828	382,169	382,169
Recoveries		(1,386)		
Total Expenditure	$327,275	$324,442	$382,169	$382,169

GREATER VANCOUVER REGIONAL DISTRICT
REGIONAL PARKS
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	PROGRAM REDUCTIONS	CHANGES FROM F & G R	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		5,096,199				5,096,199	
Less: Special non-recurring programs							
1990 Base Budget		5,096,199				5,096,199	100.0%
Add: Adjustments to Base							
Annualization of 1990 salaries		50,500				50,500	
Annualization of operating costs for Iona Beach		14,000				14,000	
Staff merit increases		37,700				37,700	
Board vehicle allocation		47,300				47,300	
Equipment replacement provision		28,000				28,000	
Department re-organization		(8,900)				(8,900)	
CASA allocation		1,800				1,800	
Computer services allocation		75,600				75,600	
Building Rent allocation		(18,600)				(18,600)	
Insurance allocation		10,000				10,000	
Inflation & GST on Base		277,515				277,515	
Adjusted Base		5,611,114				5,611,114	110.1%
1 Park system planning & research	A	75,000	(16,000)			59,000	
2 Pacific Spirit O & M	A	88,000	(7,000)			81,000	
3 Kanaka Creek O & M	A	23,000				23,000	
4 Deas Island O & M	A	17,000				17,000	
5 Burnaby Lake O & M	A	5,000				5,000	
6 Visitor Services	A	15,200				15,200	
7 Capilano River O & M	A	8,000				8,000	
8 Crippen O & M	A	5,500				5,500	
9 Derby Ranch O & M	A	14,000				14,000	
10 Minnekhada O & M	A	7,000				7,000	
11 Lynn Headwaters O & M	A	8,000				8,000	
12 Tynehead regional park operation	B	36,000	(8,900)			27,100	
13 Boundary Bay regional park operation	B	60,000				60,000	
14 Kanaka Creek regional park	C	10,000				10,000	
15 Special Events	A	30,600				30,600	
16 Foundation Land Trust	D	40,000		(10,000)	(30,000)	0	
17 Major park plan	D	46,300		(20,000)	(26,300)	0	
18 Revenue Generation	D	60,000	(20,000)	(20,000)		20,000	
		548,600	(51,900)	(50,000)	(56,300)	390,400	7.7%
Total Operating Budget		6,159,714	(51,900)	(50,000)	(56,300)	6,001,514	117.8%
Contribution to Capital (19)		903,000		(180,000)	(27,100)	695,900	
Sub-total		7,062,714	(51,900)	(230,000)	(83,400)	6,697,414	
Debt Charges (20)		1,444,200	(99,800)	(33,000)		1,311,400	
TOTAL 1991 BUDGET		**$8,506,914**	**($151,700)**	**($263,000)**	**($83,400)**	**$8,008,814**	
Total 1990 Budget		7,245,499				7,245,499	
% Increase		17.4%				10.5%	

NOTES:
- A. Maintain existing ongoing programs at increased volume.
- B. New Programs or Increases in Existing Program (approved by Board).
- C. New Programs
- D. Special Non-recurring programs.

GREATER VANCOUVER REGIONAL DISTRICT
REGIONAL PARKS - SUMMARY OF 1991 CAPITAL PROGRAM

CAPITAL BORROWING

	PROJECT BUDGET	1991-1992 GVRD FUNDS	GRANTS	1991 DEBT CHARGES	ANNUALIZED DEBT COSTS
MAJOR PARK DEVELOPMENT PROJECTS					
BELCARRA					
Park Drive/Picnic Area Design; and engineering	250,000	250,000		11,000	32,500
BOUNDARY BAY					
Interim park improvements and development	500,000	500,000		34,000	65,000
IONA BEACH					
1st Phase Development; of Promenade, Beach services			650,000 GOBC		
Entrance; Marsh Restoration	2,331,600	500,000	181,600 Env. Partners	8,000	65,000
KANAKA CREEK					
Fraser River Site Development	600,000		600,000 GOBC		
PACIFIC SPIRIT					
Headquarters Building; Maintenance					
Facility; Camosun Bog Restoration	340,000	280,000	60,000 Env. Partners		36,400
TYNEHEAD					
1st Phase Improvements;	100,000	100,000		7,500	13,000
TOTAL	4,121,600	1,630,000	1,491,600	60,500	211,900

CONTRIBUTION FROM REVENUE

	PROJECT BUDGET	GRANTS	1991 CONTRIBUTION
SMALL SCALE AND MAJOR REPLACEMENT PROJECTS			
BELCARRA		200 Kiwanis	
Sasamat Floating Walk/Trail;		199,500 GOBC	
Wharf and Adaption (handicapped);		93,700 UI 38	
Seawall; Trail and Signs		10,000 Marine Trades	
		2,500 MFO	
	473,900	305,900	168,000
CAMPBELL VALLEY			
8th Avenue Entrance Improvements;			
Trails Work and Bridge; Equestrian		58,500 UI 38	
Centre Improvements; Landscaping;		250,000 GOBC	
Facility Upgrading	750,000	308,500	150,000
CAPILANO RIVER			
Hatchery Road Reconstruction	300,000		152,900
CRIPPEN		149,000 GOBC	
Service Yard and Facilities		19,500 Heritage Trust	
	347,000	168,500	55,000
DEAS ISLAND			
New Picnic Tables	15,000		15,000
DERBY REACH			
Service Yard Improvements	10,000		10,000
LYNN HEADWATERS			
Trails and Bridges	10,000		10,000
PACIFIC SPIRIT			
Marine Foreshore Toilets	45,000		45,000
GENERAL			
Major Repair Contingency	50,000		50,000
Sub-Total	2,000,900	1,259,900	655,900
Minor Land Acquisition			200,000
			855,900
Less: Previously allocated			160,000
TOTAL			695,900

(1) Net after deducting grant.

REGIONAL PARKS

REGIONAL PARKS MISSION STATEMENT

To provide efficiently the highest possible level of service within the framework of the Parks Year 2000 Program to the many park client groups in a manner that is direct, friendly, responsive and accessible and in a setting in which park facilities and natural assets are well tended and protected; this mission requires that GVRD must:-

1. preserve natural, cultural and semi-wilderness areas and landscapes in urban and suburban settings;
2. provide built facilities for a wide range of uses either directly or through cooperating associations with modest net operating costs;
3. establish networks and information sources to help critique and shape what facilities we build and what programs we offer; and
4. develop and expand superlative teamwork and accountability right down to operational levels..

FUNCTIONAL GOALS

Visitor Services Goal

To improve and enrich the quality of leisure experiences for Lower Mainland residents by providing opportunities for awareness, appreciation and understanding of natural and cultural resources, leading to responsible and informed decisions with regard to wise use and conservation. To provide a broad spectrum of safe, high quality, friendly, participatory events and programs that capture public and media attention.

Operations and Maintenance Goal

To manage effectively the physical and human resources of Regional Parks' Operations and Maintenance Section according to Provincial legislation and Regional and Departmental regulations and policies which govern and guide the stewardship of these resources.

Administration and Planning Goal

To carry out planning, policy development and design, to coordinate development, acquisition, management of public involvement for the Regional Park system and its individual parks in keeping with GVRD's mandate to provide for long-term outdoor recreational needs of Lower Mainland residents while preserving key natural and cultural features.

KEY RESULT AREAS (KRA)

The 1991 Short Term Objectives are presented as Key Results Areas (KRA's) and the Goals and Objectives related to these areas.

REGIONAL PARKS

Those activities which are necessary to meet current operating commitments and which, therefore, are considered routine are not identified in the objectives, but will require ongoing and substantial commitment of staff time, effort and resources to maintain the standards which have been achieved in the Park system. These activities include: ongoing planning assignments to ensure orderly development and respond to proposals and requests from users, user groups and other agencies; program development and presentations to educate and inform park patrons and to enrich their park experiences; operations and maintenance routines to provide a clean, safe cared for environment in which the regional populace can relax and recreate.

KRA: Organizational Development

Goal:

To improve the delivery of Park services to the Region and utilize resources in the most efficient manner.

Objectives:

1. Develop clear Policies and Procedures to provide for consistent planning, interpretation, and operations and maintenance in the three areas.
2. Identify training and education needs required to upgrade skills and knowledge of Parks personnel, and develop and implement training programs.
3. Evolve philosophy and strategies for motivation, team building, training, mutual discussions, evaluation and review of decentralization to ensure provision of service improvements to the public.
4. Initiate development of appropriate measures and controls to gauge departmental performance and provide guidelines for improving service delivery.

KRA: System Planning, Master Planning, Public Consultation and Biophysical Inventories

Goal:

To plan and set priorities within a system context for development and management of parks and for acquisition of lands within existing and new site proposals.

Objectives:

1. Initiate the development of a new parks plan for the lower mainland, to guide acquisition, designation and protection of major parks and open space into the 21st Century.

REGIONAL PARKS

2. Complete functions and opportunities plan for Tynehead Regional Park to guide future program and service development.

3. Participate in the multi-agency study of Boundary Bay, if it proceeds, including identification of wildlife habitat needs, appropriate land uses and recreational opportunities, notably the potential to create a Point Pelee of the West.

4. Complete the Visitor Services Plan to identify objectives; assess community needs; define services to be provided; explore partnerships with the community; define support activities; establish operating and capital costs; develop a timeline, and bring forward recommendations for Park Committee and Board adoption.

5. Complete development of a bicycling policy for the Regional Park system. Present for Park Committee and Board adoption.

6. Commence the review of Regional Parks' programs and services as a basis for updating the existing systems plan and responding to changing user needs.

KRA: Site and Facility Design and Implementation

Goal:

To develop and implement plans for the installation of new facilities and upgraded facilities in Regional Parks.

Objectives:

1. Initiate construction drawings for new 8th Avenue entrance at Campbell Valley Regional Park to better service the public.

2. Commence design for the new access road at Belcarra to alleviate traffic problems for the Village of Belcarra.

3. Continue planning and design work for Iona Beach day-use facilities and possible expansion on the North Arm Jetty.

4. Evaluate and develop a program, costs and schedule for upgrading the Capilano Access Road to the Hatchery.

5. Continue system-wide trail upgrading.

6. Initiate planning and design for facilities and public access at Kanaka Creek for the Fletcher Challenge property.

7. Complete working drawings and initiate picnic area development at Crippen Regional Park.

8. Initiate development of a facility replacement program to ensure regular and scheduled upgrading and replacement of park facilities and infrastructure.

9. Complete construction of the new service centre in Campbell Valley Regional Park.

10. Initiate planning for major development projects scheduled for 1992 implementation.

11. Implement programs for project monitoring and record keeping so as to improve accountability for the Capital Development Program.

KRA: Resource Management and Conservation

Goal:

To preserve, manage and/or enhance key natural areas and features of cultural significance within the parks system.

Objectives:

1. Complete identification of systems objectives, policy and implementation approach, complete initial needs inventory of system and set priorities, define long term approach and budget.

2. Establish top two or three site priorities, and develop action strategies for critical resources and features.

3. Continue Forest Management Program at Pacific Spirit Regional Park.

KRA: Visitor Information, Promotion and Public Enjoyment of Regional Parks

Goal:

To provide public nature and environmental education programs, special events, brochures, park information kiosks and interpretive signs. To involve the public in volunteer programs. To provide public information and promotion.

Objectives:

1. Design and develop interpretive signing on the Little River Loop Trail in Campbell Valley Regional Park incorporating historical, natural/meditative and natural history stops.

2. Assess community interest in public programs in Pacific Spirit Regional Park and offer several different kinds of programs to validate the assessment.

REGIONAL PARKS

3. Promote and evaluate the Environmental Education program at Camp Capilano.
4. Complete the design, production and installation of information in park kiosks.
5. Initiate planning for involvement in municipal centennial events.
6. Research and produce the Oral History for Pacific Spirit Regional Park.
7. Produce a new park brochure for Crippen Regional Park.
8. Plan and implement a new recreational event for Iona Beach along with a special event at Tynehead Regional Park.

KRA: Revenue Generation

Goal:

To develop the base of financial resources for park development and services in GVRD parks in a way that expands the services available, creates fair recovery for special services and facilities and captures a reasonable portion of the income generating opportunities created by the public's investment in Regional Parks.

Objectives:

1. Prepare a revenue generation plan for GVRD Parks that will define and select the most practicable and potentially productive revenue streams for regional parks (from amongst donor programs, fees and charges, and business operations) and set out appropriate prerequisites and strategies for successful action to develop targeted revenue sources, including the following items as 1991 priorities:
   a. Prepare two revenue generation plans and select strategic areas for 1992 and subsequent years action.
   b. Clearly identify development projects for which government grants may be required, particularly under the Lotteries Environmental Partners grant program.
   c. In light of data collected for the Visitors Services plan, it may be possible to assess significant changes to fees and charges for programs.
   d. Conduct exploratory discussions and decide on principle of creating a foundation and the scope of its function and initial formative actions.

REGIONAL PARKS

e. Prepare five year program for rental property, including evaluation of measures to improve cash flow and mitigate operating costs.

2. Develop a policy for the above aspects of Revenue Generation in the park system; bring it forward for public discussion, Park Committee and Board adoption.

KRA: Public Safety and Risk Management

Goal:

Establish policy, guidelines and procedures within the framework of corporate policy, to improve public safety and risk management programs which will minimize or eliminate risks to park users and will ensure parks are safe and secure areas.

Objectives:

1. Complete existing public safety and risk management programs.
2. Establish policy, guidelines and procedures and determine the best application to all park sites.
3. Complete implementation of the safety inspection program at outstanding parks.
4. Implement new GVRD Parks bylaw enforcement powers, monitoring public acceptance and effectiveness.

KRA: Recreation Site and Facilities Maintenance and Operation

Goal:

To maintain park facilities to approved standards; to ensure a sanitary and clean environment for the park user.

Objectives:

1. Complete the Regional Park Emergency Services, Procedures, Operations and Maintenance Manual.
2. Continue in-house training and improve the level of equipment maintenance.
3. Complete, review and assess allocation of the Annual Maintenance Provision.
4. Initiate year-around operations at Iona Beach Regional Park.

REGIONAL PARKS

REGIONAL PARKS - 1990 HIGHLIGHTS

ORGANIZATIONAL DEVELOPMENT

1. Initiated decentralization of park services into three operating areas with full accountability for area planning, visitor services, operations and maintenance, administration and management.

2. Commenced the developed of a strategic plan to guide the growth and development of the Regional Parks programs and services into the 21st Century.

3. Completed staffing of key positions to facilitate the transitions of responsibilities from head office to the field.

4. Redefined head office functions to facilitate field delivery.

MASTER PLANS AND BIOPHYSICAL STUDIES

1. Consolidated the program and policy direction for Crippen Regional Park, resolving issues and concerns through public consultation meetings. Snug Cove Plan was completed and incorporated into the official community plan.

2. Initiated management planning for Pacific Spirit, bringing together a variety of user groups to assist in issue identification and the formulation of alternatives for management of key resources and public use.

3. Completed the proposed Recreation Plan under the Fraser River Estuary Management Program.

4. Initiated park planning program for Tynehead incorporating extensive public consultation and workshop session with interest groups and the private sector.

5. Undertook market research and analysis of group camping and day use activities in Regional and Municipal Parks.

PUBLIC CONSULTATION AND COMMUNITY SPONSORED PROJECTS

1. Public meetings and workshops to facilitate issue identification, user input on policy direction and concept planning took place for Pacific Spirit, Crippen and Tynehead Regional Parks.

2. Environment and Youth Projects are ongoing in several parks, including Pacific Spirit, Tynehead and Aldergrove.

3. The Delta Agricultural Hall restoration project at Deas Island was completed with the assistance and dedication of the Scottsdale Lions Club.

REGIONAL PARKS

4. Relocation and restoration was started of the Mercer Barn at Derby Reach. Construction of the Capilano Second Canyon viewpoint was completed through funding provided by the North Vancouver Rotary Club.

5. Ten new community groups were recruited including establishing Friends of Kanaka Creek Society and the Agreement with the Serpentine Enhancement Society in Tynehead.

PARK DEVELOPMENT

1. Completed design work at Iona Beach Regional Park and constructed initial facilities to open the park for public use.

2. Finalized planning, design and development of parking, access improvements, toilets and the park centre at Pacific Spirit.

3. Completed scheduled Small Scale projects identified in the Year 2000 Plan, including trail upgrading in 13 parks and the construction of special trails for the disabled in Campbell Valley and Belcarra Regional Parks.

4. Replaced the Killarney Lake Dam in Crippen Regional Park along with substantial upgrading of the Minnekhada Lodge.

5. Building improvements were completed in five parks along with the Belcarra waterfront and Camp Capilano.

PARK AND RENTAL OPERATIONS

1. Area decentralization and local operations were implemented with administrative headquarters established at Burnaby Lake, Pacific Spirit and Campbell Valley.

2. With the new park centre at Pacific Spirit, both area and park operations have been fully realized.

3. With the opening of Iona Beach basic public facilities and services are being provided.

4. Established a vegetation management program at Pacific Spirit to preserve viewscapes and minimize erosion on cliff faces.

5. Upgraded toilet facilities and onsite management at Wreck Beach.

6. Continued to upgrade rental properties to increase revenue and reduce tenant dissatisfaction.

VISITOR SERVICES

1. Produced new interpretive signs for Kanaka Creek Regional Park in conjunction with B.C. Fish and Wildlife.

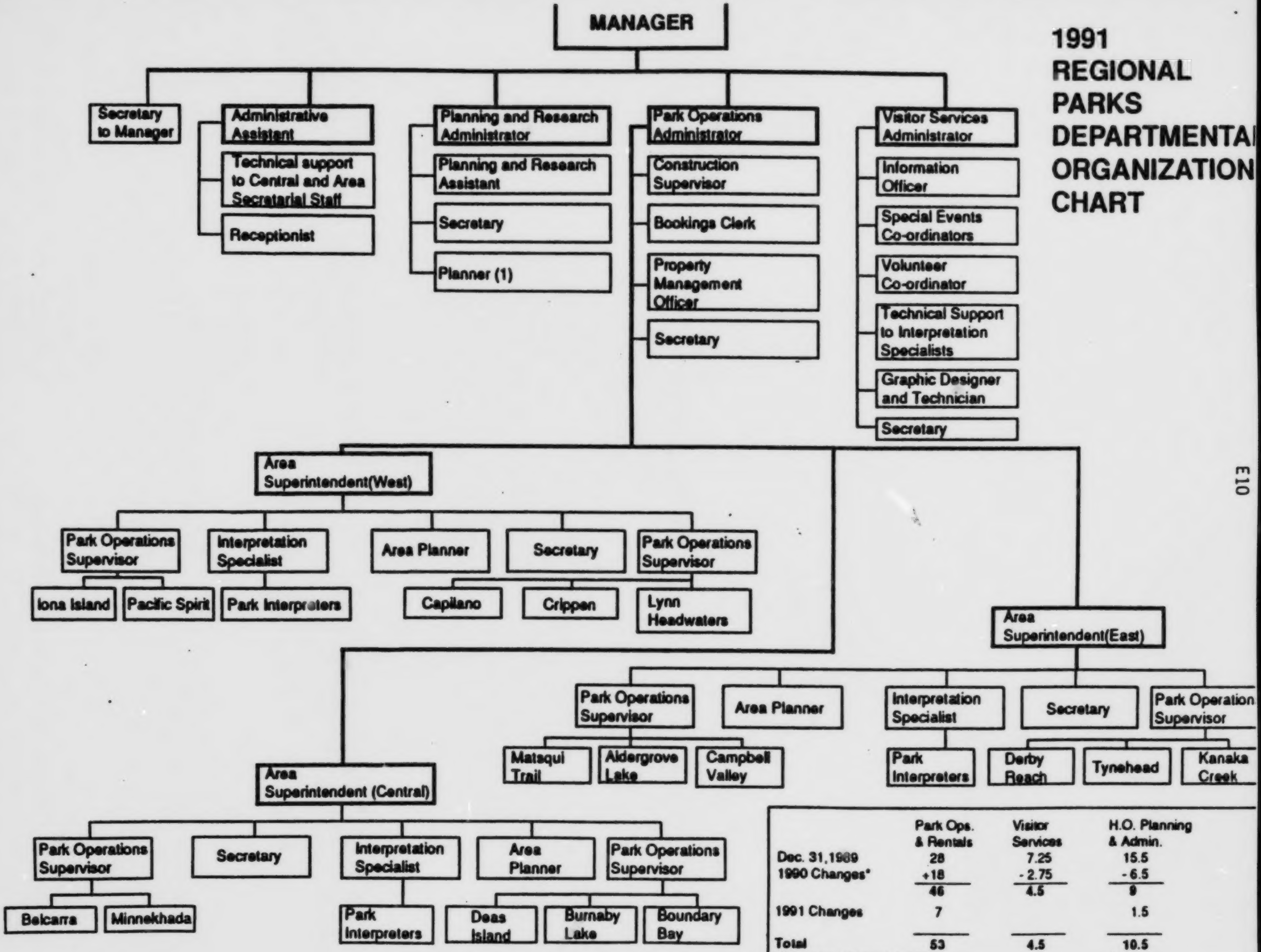
REGIONAL PARKS

2. Completed assessment for the school program at Bell-Irving Hatchery.
3. Completed and produced the Oral History for Campbell Valley Regional Park.
4. Updated and produced new series of park brochures for various parks including Crippen, Derby Reach, Minnekhada, Aldergrove Lake, Capilano River and Tynehead.
5. Over 154 interpretive programs were delivered in 14 parks with new programs initiated at Iona Beach and Matsqui Trail Regional Parks.

LAND ACQUISITION

1. Completed the acquisition and dedication of the Fletcher Challenge parcel, adding 37 hectares at Kanaka Creek Regional Park.
2. Accepted the transfer of 764 hectares of the Endowments Lands at Pacific Spirit Regional Park.
3. Completed surplus property assessment for Crippen and Kanaka Creek.

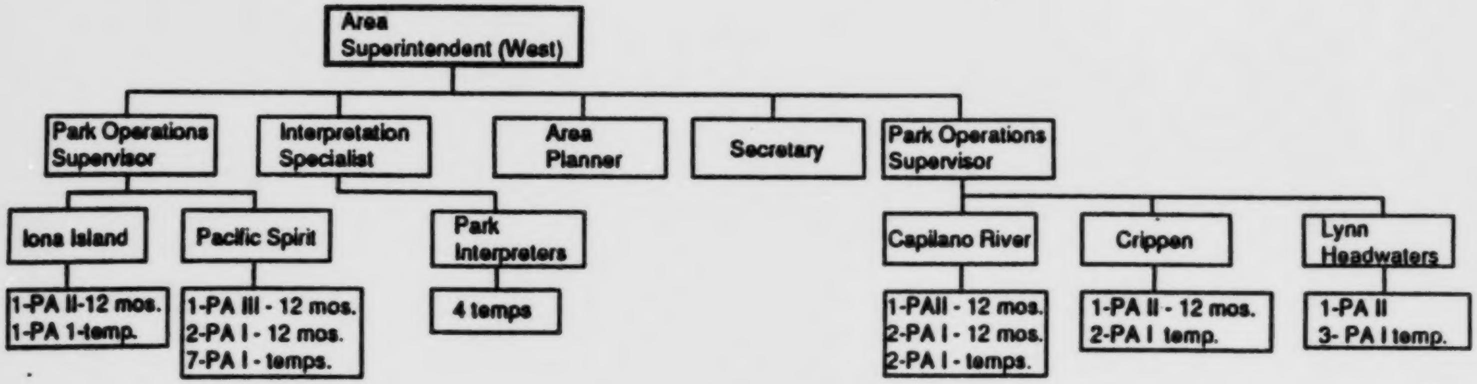
1991 REGIONAL PARKS DEPARTMENTAL ORGANIZATION CHART

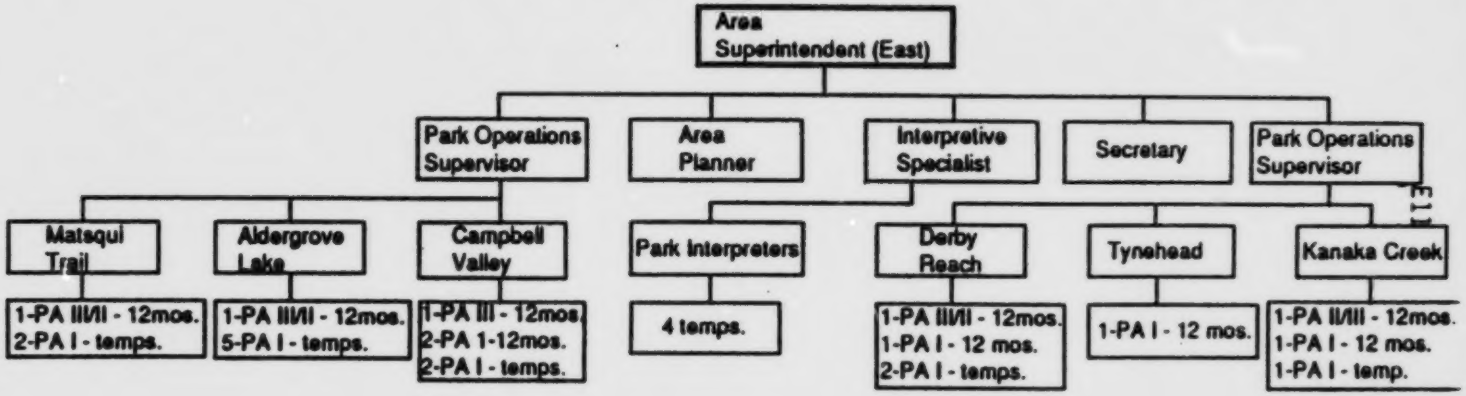

MANAGER
Secretary to Manager
Administrative Assistant
Technical support to Central and Area Secretarial Staff
Receptionist
Planning and Research Administrator
Planning and Research Assistant
Secretary
Planner (1)
Park Operations Administrator
Construction Supervisor
Bookings Clerk
Property Management Officer
Secretary
Visitor Services Administrator
Information Officer
Special Events Co-ordinators
Volunteer Co-ordinator
Technical Support to Interpretation Specialists
Graphic Designer and Technician
Secretary
Area Superintendent(West)
Park Operations Supervisor
Iona Island
Pacific Spirit
Interpretation Specialist
Park Interpreters
Area Planner
Secretary
Park Operations Supervisor
Capilano
Crippen
Lynn Headwaters
Area Superintendent(East)
Park Operations Supervisor
Matsqui Trail
Aldergrove Lake
Campbell Valley
Area Planner
Interpretation Specialist
Park Interpreters
Secretary
Park Operation Supervisor
Derby Reach
Tynehead
Kanaka Creek
Area Superintendent (Central)
Park Operations Supervisor
Belcarra
Minnekhada
Secretary
Interpretation Specialist
Park Interpreters
Area Planner
Park Operations Supervisor
Deas Island
Burnaby Lake
Boundary Bay

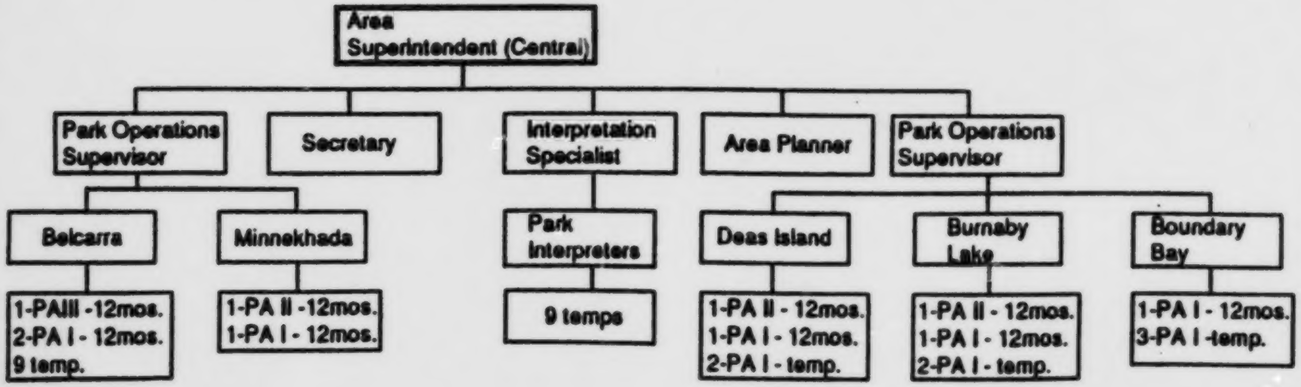
	Park Ops. & Rentals	Visitor Services	H.O. Planning & Admin.
Dec. 31,1989	28	7.25	15.5
1990 Changes*	+18	- 2.75	- 6.5
	46	4.5	9
1991 Changes	7		1.5
Total	53	4.5	10.5

*Due to re-organization and additions

E11


Area Superintendent (West)
Park Operations Supervisor
Interpretation Specialist
Area Planner
Secretary
Park Operations Supervisor
Iona Island
Pacific Spirit
Park Interpreters
Capilano River
Crippen
Lynn Headwaters
1-PA II-12 mos.
1-PA 1-temp.
1-PA III - 12 mos.
2-PA I - 12 mos.
7-PA I - temps.
4 temps
1-PAII - 12 mos.
2-PA I - 12 mos.
2-PA I - temps.
1-PA II - 12 mos.
2-PA I temp.
1-PA II
3- PA I temp.


Area Superintendent (East)
Park Operations Supervisor
Area Planner
Interpretive Specialist
Secretary
Park Operations Supervisor
Matsqui Trail
Aldergrove Lake
Campbell Valley
Park Interpreters
Derby Reach
Tynehead
Kanaka Creek
1-PA III/II - 12mos.
2-PA I - temps.
1-PA III/II - 12mos.
5-PA I - temps.
1-PA III - 12mos.
2-PA 1-12mos.
2-PA I - temps.
4 temps.
1-PA III/II - 12mos.
1-PA I - 12 mos.
2-PA I - temps.
1-PA I - 12 mos.
1-PA II/III - 12mos.
1-PA I - 12 mos.
1-PA I - temp.


Area Superintendent (Central)
Park Operations Supervisor
Secretary
Interpretation Specialist
Area Planner
Park Operations Supervisor
Belcarra
Minnekhada
Park Interpreters
Deas Island
Burnaby Lake
Boundary Bay
1-PAIII -12mos.
2-PA I - 12mos.
9 temp.
1-PA II -12mos.
1-PA I - 12mos.
9 temps
1-PA II - 12mos.
1-PA I - 12mos.
2-PA I - temp.
1-PA II - 12mos.
1-PA I - 12mos.
2-PA I - temp.
1-PA I - 12mos.
3-PA I -temp.

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
Revenue and Expenditure Budget
Year Ending December 31, 1991

	Sch	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue						
Members' Tax Requisitions		$6,992,411	$6,992,411	$8,220,466	$7,722,366	10.4
Net Rental Income		253,088	253,318	286,448	286,448	13.2
Total Revenue		$7,245,499	$7,245,729	$8,506,914	$8,008,814	10.5
Expenditure						
Special Programs						
Major Parks Plan		$ 50,000	$ 24,072	$ 102,952	$ 56,652	13.3
Fund Raising/Revenue Generation				100,000	20,000	
		50,000	24,072	202,952	76,652	53.3
Administration & Planning		814,910	814,335	944,981	928,981	14.0
	E14	864,910	838,407	1,147,933	1,005,633	16.3
Visitor Services	E16	331,008	328,677	455,399	455,399	37.6
Parks Operations	E17	3,900,281	3,942,195	4,556,382	4,540,482	16.4
		5,096,199	5,109,279	6,159,714	6,001,514	17.8
Fiscal Services						
Debenture Debt Charges		834,300	822,287	833,400	833,400	-0.1
Interest on Temporary Borrowing & sundry charges		465,000	362,571	610,800	478,000	2.8
Contribution to Capital Funds		850,000	951,594	903,000	695,900	-18.1
		2,149,300	2,136,450	2,347,200	2,007,300	-6.6
Total Expenditure		$7,245,499	$7,245,729	$8,506,914	$8,008,814	10.5

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
Revenue and Expenditure Budget
by Object of Expenditure
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$3,156,264	$3,121,694	$3,695,269	$3,663,369
Board & rented vehicles	381,743	611,722	509,910	509,910
Other services	259,523	355,002	374,122	331,422
Materials & supplies	287,271	407,012	341,887	338,287
Equipment replacement, maintenance & repairs	51,848	48,943	61,731	61,731
Electricity & gas	103,925	85,677	130,990	130,990
Telephone	66,740	78,078	73,387	73,387
Insurance	61,350	66,079	70,500	70,500
Equipment replacement	122,516	150,046	154,817	154,817
Rent	146,160	161,109	125,609	125,609
Computer operating costs allocated	17,883	17,883	93,469	93,469
Central administrative services allocated	142,343	164,637	144,132	144,132
General administrative services allocated	6,470	6,622	7,480	7,480
Property division charges	45,600	14,473	45,600	45,600
Radio communications	31,200	31,200	33,072	33,072
Indirect departmental costs	26,595	45,895	37,583	37,583
Maintenance	201,000	1,157	230,000	230,000
Provision for Board & Committee requests	10,000	11,226	12,500	12,500
	5,118,431	5,378,455	6,142,058	6,063,858
Recoveries	(165,232)	(322,607)	(195,344)	(195,344)
	4,953,199	5,055,848	5,946,714	5,868,514
Special Events & Activities				
Parks Master Plan	50,000	24,072		
Provision for Special Events	68,000	8,396	88,000	88,000
Provision for public information & brochures	25,000	21,213	25,000	25,000
Provision for fundraising/ Revenue generation			100,000	20,000
	$5,096,199	$5,109,529	$6,159,714	$6,001,514

GREATER VANCOUVER REGIONAL DISTRICT

Parks Planning and Administration
1991 Budget
by Program

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Administration	$ 237,143	$ 213,173	$ 243,601	$ 243,601
Indirect departmental costs	398,363	408,477	438,593	438,593
	635,506	621,650	682,194	682,194
Parks Planning				
Land acquisition & co-ordination	27,437	22,913		
Park system planning & research	70,220	90,607	250,287	234,287
Park development & implementation	71,747	67,939		
	169,404	181,459	250,287	234,287
Park Master Planning	50,000	24,072		
Major Parks Plan			67,544	21,244
Tynehead Plan		0	35,408	35,408
	50,000	24,072	102,952	56,652
Fund Raising/Revenue Generation			100,000	20,000
Provision for special studies as authorized by the Committee (to be appropriated)	10,000	11,226	12,500	12,500
Total Expenditure	$ 864,910	$ 838,407	$1,147,933	$1,005,633

GREATER VANCOUVER REGIONAL DISTRICT

Planning & Administration
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$ 353,776	$ 335,263	$ 452,433	$ 436,433
Board & rented vehicles	11,724	12,556	15,436	15,436
Mileage	629	856	826	826
Travel	1,125	3,121	1,625	1,625
Other services	14,749	43,916	78,395	45,695
Legal	5,408	22	5,459	5,459
Materials & supplies	15,045	30,009	26,446	22,846
Telephone	23,653	23,726	22,857	22,857
Postage	8,611	14,511	10,824	10,824
Insurance	42,200	42,528	44,500	44,500
Equipment replacement, maintenance & repairs	19,303	49,313	25,106	25,106
Duplicating	19,976	(202)	28,132	18,132
Rent	144,160	159,354	125,609	125,609
Computer operating costs allocated	17,883	17,883	93,469	93,469
Central administrative services allocated	73,648	72,945	50,760	50,760
General administrative services allocated	6,470	6,622	7,480	7,480
Property division charges	45,600	14,473	45,600	45,600
Indirect departmental costs	950	534	476	476
Provision for Parks Master Plan	50,000			
Provision for Board & Committee requests	10,000	11,226	12,500	12,500
Provision for fundraising/ Revenue generation			100,000	20,000
	$ 864,910	$ 838,656	$1,147,933	$1,005,633

GREATER VANCOUVER REGIONAL DISTRICT

Parks Recreation Services
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Nature Interpretation				
Salaries & employee benefits	$152,045	$155,392	$157,687	$157,687
Board & rented vehicles	8,300	9,941	9,395	9,395
Other services	12,972	21,155	14,397	14,397
Telephone	308	202	314	314
Insurance		234		
Materials & supplies	4,332	6,849	5,122	5,122
Purchased maintenance & repairs		62		
Indirect departmental costs	759	944	1,684	1,684
	178,716	194,779	188,599	188,599
Recoveries		(5,662)		
Total Nature Interpretation	178,716	189,117	188,599	188,599
Graphics				
Salaries & employee benefits			75,603	75,603
Tuition			650	650
			76,253	76,253
Special Events				
Salaries & employee benefits	53,195	49,117	70,370	70,370
Board & rented vehicles	500	47,452	500	500
Mileage	1,100	945	1,166	1,166
Tuition	250	816	400	400
Other services	1,520	31,375	1,060	1,060
Materials & supplies	2,020	7,887	2,120	2,120
Printing	150	2,887		
Indirect departmental costs	557	878	1,931	1,931
Less recoveries		31,406		
	59,292	109,951	77,547	77,547
Provisions	38,000	0	58,000	58,000
Projects			5,000	5,000
Promotional Brochure	30,000	8,396	25,000	25,000
Information	25,000	21,213	25,000	25,000
Total Expenditure	$331,008	$328,677	$455,399	$455,399

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations
1991 Budget
by Program

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
WEST AREA					
Management	$ 106,561	$ 120,709	$ 138,912	$ 138,912	30.36
Planning	59,114	59,167	65,149	65,149	10.21
Interpretation	66,145	62,487	73,596	73,596	11.26
Capilano River	242,446	219,288	265,246	265,246	9.40
Camp Capilano		17,750	8,979	8,979	
Crippen	128,699	122,539	141,435	141,435	9.90
Iona Beach	93,319	89,509	117,252	117,252	25.65
Lynn Headwater	148,050	133,598	160,558	160,559	8.45
Pacific Spirit	252,549	290,365	376,529	369,528	49.09
Capilano Road Maintenance	1,125	470	1,193	1,193	6.04
	1,098,008	1,115,882	1,348,849	1,341,849	22.85
CENTRAL AREA					
Management	106,561	119,711	135,002	135,002	26.69
Planning	59,114	47,004	58,629	58,629	-0.82
Interpretation	117,817	98,897	116,133	116,133	-1.43
Belcarra	377,796	361,732	401,587	401,587	6.30
Boundary Bay	58,997	51,521	123,912	123,912	110.03
Burnaby Lake	210,393	208,624	233,891	233,891	11.17
Deas Island	211,860	208,254	229,419	229,419	8.29
Minnekhada	136,880	131,181	155,890	155,890	13.89
	1,279,418	1,226,924	1,454,463	1,454,463	13.68
EAST AREA					
Management	106,561	146,637	150,329	150,329	41.07
Planning	58,134	57,425	61,241	61,241	5.34
Interpretation	66,144	64,598	78,817	78,817	19.16
Aldergrove Lake	193,129	189,412	200,081	200,081	3.60
Campbell Valley	288,275	314,870	287,641	287,641	-0.22
Derby Reach	162,646	152,578	191,070	191,070	17.48
Kanaka Creek	166,055	173,925	208,849	208,849	25.77
Matsqui Trail	149,258	116,348	151,721	151,721	1.65
Tynehead	72,328	76,034	114,677	105,777	58.55
	1,262,530	1,291,827	1,444,426	1,435,526	14.41
Management	260,325	307,562	308,644	308,644	18.56
Total Expenditure	$3,900,281	$3,942,195	$4,556,382	$4,540,482	16.82

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations
1991 Budget Summary
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$2,597,248	$2,583,927	$2,939,176	$2,923,276
Board & rented vehicles	359,490	542,627	482,587	482,587
Other services	208,848	262,903	254,804	254,804
Telephone	42,779	54,148	50,216	50,216
Insurance	19,150	23,317	26,000	26,000
Materials & supplies	245,748	354,111	280,067	280,067
Purchased maintenance & repairs	49,361	42,655	58,035	58,035
Electricity, natural gas & water	103,925	85,677	130,990	130,990
Security	6,040	3,801	6,508	6,508
Equipment replacement	105,700	106,959	133,407	133,407
Indirect departmental costs	24,329	43,559	33,492	33,492
Central administrative services allocated	68,695	91,692	93,372	93,372
Radio communications	31,200	31,200	33,072	33,072
Maintenance provision	201,000	1,157	230,000	230,000
Office rental allocated	2,000	0		
	4,065,513	4,227,733	4,751,726	4,735,826
Recoveries	(165,232)	(285,538)	(195,344)	(195,344)
Total Expenditure	$3,900,281	$3,942,195	$4,556,382	$4,540,482

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations

West Area Operations Summary

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$ 763,831	$ 754,128	$ 898,813	$ 891,813
Board & rented vehicles	117,955	172,381	148,257	148,257
Other services	69,586	88,995	88,217	88,217
Telephone	10,250	12,595	14,614	14,614
Insurance	500	741		
Materials & supplies	82,821	97,984	86,628	86,628
Purchased maintenance & repairs	13,363	8,637	14,479	14,479
Electricity, natural gas & water	41,900	35,208	49,025	49,025
Security	2,500		2,226	2,226
Equipment replacement	29,000	28,341	38,000	38,000
Indirect departmental costs	5,824	11,534	10,173	10,173
Maintenance provision	37,000		70,000	70,000
Sub Total	1,174,530	1,210,544	1,420,432	1,413,432
Recoveries	(76,522)	(94,662)	(71,583)	(71,583)
Total Expenditure	$1,098,008	$1,115,882	$1,348,849	$1,341,849

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations

Central Area Operations Summary

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$ 895,884	$ 854,155	$ 972,210	$ 972,210
Board & rented vehicles	116,493	148,255	143,372	143,372
Other services	54,370	73,998	72,194	72,194
Telephone	15,231	20,211	17,404	17,404
Insurance		499		
Materials & supplies	75,838	113,551	93,640	93,640
Purchased maintenance & repairs	11,440	21,330	16,896	16,896
Electricity, natural gas & water	40,800	29,192	53,954	53,954
Security	3,540	2,169	4,282	4,282
Equipment replacement	34,000	35,835	52,707	52,707
Indirect departmental costs	10,092	16,439	15,270	15,270
Maintenance provision	61,000	1,157	79,000	79,000
Sub Total	1,318,688	1,316,791	1,520,829	1,520,929
Recoveries	(39,270)	(89,867)	(66,366)	(66,366)
Total Expenditure	$1,279,418	$1,226,924	$1,454,463	$1,454,563

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations

East Area Operations Summary

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$822,001	$ 848,557	$ 936,953	$ 928,053
Board & rented vehicles	119,242	214,458	184,097	184,097
Other services	82,250	86,080	93,831	93,831
Telephone	16,250	20,943	17,135	17,135
Insurance	2,650	1,526		
Materials & supplies	84,089	137,070	96,619	96,619
Purchased maintenance & repairs	19,150	12,682	22,419	22,419
Electricity, natural gas & water	21,225	21,278	28,011	28,011
Security		1,632		
Equipment replacement	33,700	33,453	33,700	33,700
Indirect departmental costs	8,413	15,156	8,056	8,056
Maintenance provision	103,000		81,000	81,000
Sub Total	1,311,970	1,392,835	1,501,821	1,492,921
Recoveries	(49,440)	(101,008)	(57,395)	(57,395)
Total Expenditure	$1,262,530	$1,291,827	$1,444,426	$1,435,526

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations Management

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Labour & employee benefits	$115,532	$127,087	$131,200	$131,200
Board & rented vehicles	5,800	7,530	6,961	6,961
Other services	2,642	12,076	562	562
Telephone	1,048	399	1,063	1,063
Insurance	16,000	20,551	26,000	26,000
Materials & supplies	3,000	5,506	3,173	3,173
Purchased maintenance & repairs	5,408	6	4,241	4,241
Equipment replacement	9,000	9,330	9,000	9,000
Indirect departmental costs allocated		430		
Central administrative services allocated	68,695	91,692	93,372	93,372
Radio communications	31,200	31,200	33,072	33,072
Office rent allocated	2,000	1,755		
Total Expenditure	$260,325	$307,562	$308,644	$308,644

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
1991 Budget
Net Income from Rental Operations
Year ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Rentals	$712,709	$707,008	$719,743	$719,743
Expenditure				
Labour & employee benefits	87,296	82,200	93,267	93,267
Property taxes	106,100	95,951	122,504	122,504
Insurance	19,500	14,167	13,600	13,600
Repairs, maintenance, materials, supplies & property rehabilitation	213,700	230,142	168,453	168,453
Legal	3,000	1,177	3,275	3,275
Board vehicles & mileage	2,000	4,182	2,395	2,395
Provision for doubtful accounts	4,000	6,710	4,000	4,000
Central administrative services	15,225	15,418	15,774	15,774
Other services & supplies	2,400	1,045	3,393	3,393
Provision for equipment replacement	500		500	500
Water, electricity & natural gas	5,900	2,698	6,134	6,134
Total Expenditure	459,621	453,690	433,295	433,295
Net Income	$253,088	$253,318	$286,448	$286,448

GREATER VANCOUVER REGIONAL DISTRICT
DEVELOPMENT SERVICES
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	CHANGES FROM F & G R	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		1,715,402			1,715,402	
Less: Special non-recurring programs		(351,500)			(351,500)	
1990 Base Budget		1,363,902			1,363,902	100.0%
Add: Adjustments to Base						
Staff merit increases		5,645			5,645	
Building Rent allocation		41,000			41,000	
Telephone allocation		12,500			12,500	
Computer services allocation		65,800			65,800	
CASA & GAS allocation		20,400			20,400	
Equipment replacement provision		5,000			5,000	
Other indirect costs		2,250			2,250	
Inflation & GST on Base		56,028			56,028	
Adjusted Base		1,572,525			1,572,525	115.3%
1 Adjustments to maintain levels of service	A	52,347	(59,265)		(6,918)	
2 Conserving our Land Resource Initiatives	B	92,318	(28,659)		63,659	
3 Contribution to Transportation Plan	E	125,000			125,000	
4 Contribution to Parks-Open space study	E	25,000			25,000	
5 Contribution to FREMP	E	100,000	(25,000)		75,000	
6 Public Education and Communication	B	85,839	(21,045)	(32,794)	32,000	
7 Housing and Social Issues	B	65,353	(32,677)		32,676	
8 Transfer of Economic Services from the City of Vancouver	B	58,918		(58,918)	0	
		604,775	(166,646)	(91,712)	346,417	
Total Operating Budget		2,177,300	(166,646)	(91,712)	1,918,942	140.7%
TOTAL 1991 BUDGET		**$2,177,300**	**($166,646)**	**($91,712)**	**$1,918,942**	
Total 1990 Budget		1,715,402			1,715,402	
% Increase		26.9%			11.9%	

NOTES:
- A. Maintain existing ongoing programs at increased volume.
- B. New Programs or Increases in Existing Program (approved by board).
- C. New Programs
- D. Special Non-recurring programs.
- E. Contributions

DEVELOPMENT SERVICES

Long-Term and Ongoing Role

The goal of the GVRD's Development Services is "To facilitate planning and decision-making which will encourage prosperity, a clean environment and high overall livability at the lowest public cost".

To this end, Development Services provides research, forecasting and intermunicipal co-ordination in demographics, transportation, economic development and other aspects of regional development within the overall context of the Livable Region Strategy as modified and reinforced by the "Creating Our Future" program and its recommendations that were unanimously endorsed by the GVRD Board in 1990.

1991 Short-Term Objectives

1. To undertake the implementation of recommendations of "Creating Our Future":

- through coordinating and tracking others agencies' activities (municipalities, other GVRD departments);
- through further policy development in such areas as environmental and open space planning, regional town centres and social planning and policy;
- through participation with other agencies, including to develop an open space conservancy program, to integrate air quality considerations with transportation planning, and to plan for the Fraser River Estuary.

2. To participate, with municipal planners, in preparing a Regional Strategic Plan to link "Creating Our Future" recommendations with local planning and policies.

3. To participate, with municipalities and provincial agencies, in the preparation of a long-term transportation plan for Greater Vancouver.

4. To adopt and implement a regional Economic Development Strategy.

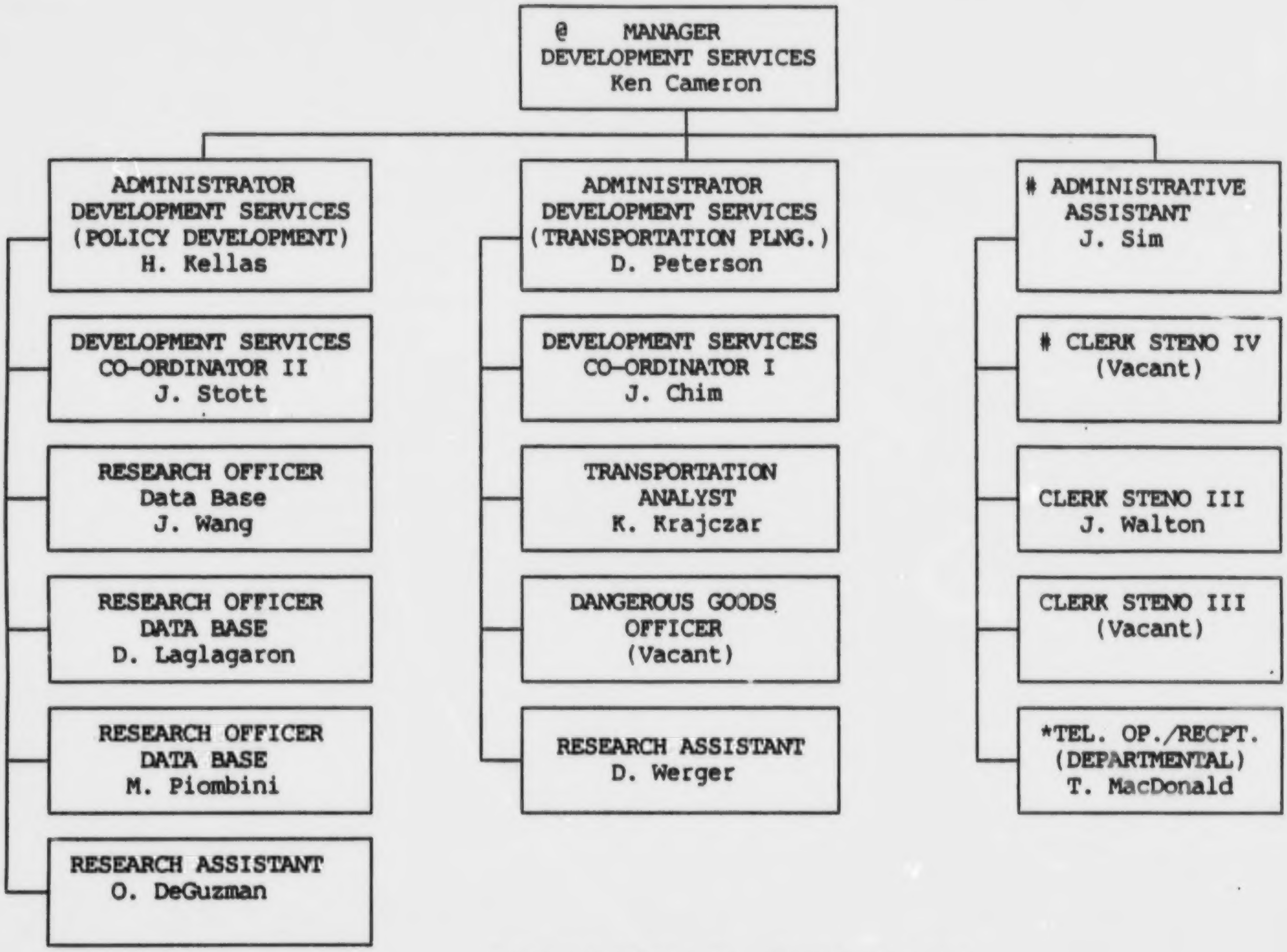
5. To review GVRD's mandates in land use, transportation and social development for consideration by the GVRD Board.

6. To enhance the Development Services information base while continuing to provide municipal and other clients with high quality of service in accessing the data bases.

7. To undertake special projects and studies on policy matters of concern to the GVRD and member municipalities.

DEVELOPMENT SERVICES

Departmental Organization Chart


@ MANAGER DEVELOPMENT SERVICES Ken Cameron
ADMINISTRATOR DEVELOPMENT SERVICES (POLICY DEVELOPMENT) H. Kellas
DEVELOPMENT SERVICES CO-ORDINATOR II J. Stott
RESEARCH OFFICER Data Base J. Wang
RESEARCH OFFICER DATA BASE D. Laglagaron
RESEARCH OFFICER DATA BASE M. Piombini
RESEARCH ASSISTANT O. DeGuzman
ADMINISTRATOR DEVELOPMENT SERVICES (TRANSPORTATION PLNG.) D. Peterson
DEVELOPMENT SERVICES CO-ORDINATOR I J. Chim
TRANSPORTATION ANALYST K. Krajczar
DANGEROUS GOODS OFFICER (Vacant)
RESEARCH ASSISTANT D. Werger
# ADMINISTRATIVE ASSISTANT J. Sim
# CLERK STENO IV (Vacant)
CLERK STENO III J. Walton
CLERK STENO III (Vacant)
*TEL. OP./RECPT. (DEPARTMENTAL) T. MacDonald

@ Shared (40%) with Electoral Areas
# Shared (25%) with Electoral Areas
* Telephone Operator/Receptionist shared with Parks (50%) and Electoral Areas (20%)

	APPROVED	ACTUAL
December 31, 1989	12.4	11.4
1990 changes	2.4	2.4
December 31, 1990	14.8	13.8
1991 changes	0.6	
TOTAL December 31, 1991	15.4	

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GREATER VANCOUVER REGIONAL DISTRICT

Development Services
Revenue and Expenditure Budget
Year ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change over 1990 Final Budget
Revenue					
Members' tax requisitions	$1,473,023	$1,473,023	$2,001,698	$1,684,897	35.9
Provincial Grant		70,000	75,000	75,000	
Outside contribution re					
Livable Regional Strategy	128,500	108,500			
Rental Housing Study	50,000	50,000		20,000	
Surplus from previous year	63,879	63,879	100,602	139,045	
Other revenues		22,482			
Total Revenue	$1,715,402	$1,787,884	$2,177,300	$1,918,942	26.9
Expenditure					
Research & Policy Development					
Livable Region Strategy:					
Public Process	$ 306,500	$ 363,784	$	$	
Rental Housing Study	45,000	45,000		20,000	
Parks/open space study			25,000	25,000	
FREMP participation			100,000	75,000	
Research & Policy Development	230,670	257,517	463,595	361,976	
	582,170	666,301	588,595	481,976	1.1
Economic Development	161,196	164,464	259,475	161,353	61.0
Transportation Planning	223,688	135,570	242,085	233,357	
Phase II: Transp Plan			125,000	125,000	
	223,688	135,570	367,085	358,357	64.1
Information Requests	110,623	58,174	147,780	123,560	33.6
Database Maintenance Development	168,102	116,305	156,625	158,918	-6.8
Total Program Costs	1,245,779	1,140,814	1,519,560	1,284,164	22.0
Administration	106,323	184,788	147,490	124,528	38.7
Indirect departmental costs	363,300	323,237	510,250	510,250	40.5
	469,623	508,025	657,740	634,778	40.1
Total Expenditure	$1,715,402	$1,648,839	$2,177,300	$1,918,942	26.9
Surplus carried to following year		$139,045			

GREATER VANCOUVER REGIONAL DISTRICT

Development Services
1991 Budget
by Object of Expenditure

Expenditure	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 681,252	$ 690,252	$ 988,250	$ 750,121
Mileage, travel & board vehicles	14,100	16,123	19,750	19,750
Legal	1,000	243	1,000	1,000
Consultants & direct program costs	536,200	426,260	500,250	480,021
Materials, supplies & other services	65,050	96,759	74,050	74,050
Duplicating services	29,000	57,755	50,000	50,000
Rent	110,000	84,617	151,000	151,000
Postage	10,000	14,100	18,500	18,500
Telephone	13,750	18,663	25,800	25,800
Equipment replacement & maintenance	56,000	45,354	62,500	62,500
Publications	3,250	3,305	4,500	4,500
Central administrative services	47,000	46,495	65,000	65,000
Computer services	127,000	127,000	192,800	192,800
General Administrative Services allocated	6,500	6,622	8,900	8,900
Amortization of deferred charges	15,300	15,291	15,000	15,000
Total Expenditure	$1,715,402	$1,648,839	$2,177,300	$1,918,942

DEVELOPMENT SERVICES

1. REGIONAL RESEARCH AND POLICY DEVELOPMENT

Purpose

To undertake research on regional development trends and prospects; to prepare regional development strategies; to undertake region-wide research in support of municipal planning; to communicate the results of this work; to provide liaison with other organizations in support of regional goals.

Activities

1. Coordinate and monitor implementation of "Creating Our Future" actions adopted by the Board in 1990.
2. Advance policy development as identified in "Creating Our Future". Regarding Greater Vancouver's Green Zone, measures to support the preservation of farming and a renewed concept for regional centres, and population and employment growth, undertake research and communications on regional social and housing issues.
3. Undertake research in support of policy development. Monitor and research regional development trends including population, household characteristics, employment, commercial and industrial construction, and land use.
4. Pursue development of a regional open space conservancy program. Participate in preparation of a Major Parks Plan with GVRD Parks, provincial agencies and others; pursue open space initiatives identified in "Creating Our Future".
5. Participate as a full partner in the Fraser River Estuary Management Program. Contribute to the project review process; provide input to activities on recreation, port and industrial development, and public information; assist in implementation of a water quality plan; provide input in preparation of area plans for management units within the estuary.

DEVELOPMENT SERVICES

1. REGIONAL RESEARCH AND POLICY DEVELOPMENT (Continued)

6. Undertake research intended to assist several or all municipalities in dealing with municipal planning issues as identified by the Technical Advisory Committee.

7. Facilitate involvement in policy development and communicate regional objectives. Maintain and develop communications with interested individuals and organizations; organize conferences, workshops and public meetings to involve other organizations and the public in policy development; organize community cable television programs; prepare and distribute information bulletins on regional trends and issues.

8. Undertake minor studies as required to support the activities of Development Services committees.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$154,985	$169,405	$287,580	$171,142
Consultants & direct program costs	356,200	408,784	128,750	153,521
Rental Housing Study	45,000			20,000
Parks/open space study			25,000	25,000
FREMP Participation			100,000	75,000
Supplies & services	25,985	88,112	47,265	37,313
	$582,170	$666,301	$588,595	$481,976

DEVELOPMENT SERVICES

2. REGIONAL ECONOMIC DEVELOPMENT SERVICES

Purpose

To provide information to potential investors, economic development agencies, and others about Greater Vancouver's economy and opportunities; to undertake projects designed to increase the effectiveness of economic development efforts on behalf of the region; to prepare strategies providing a framework for economic development activity.

Activities

1. Provide information on Greater Vancouver to potential investors, federal and provincial trade officers, municipal economic development agencies, and others. Respond to data request; assist trade delegations to make contact with Greater Vancouver business people; provide appropriate organizations with information on the region.
2. Prepare and distribute economic information on Greater Vancouver. Update and reprint "Vancouver Perspectives" and the companion statistical document "Greater Vancouver Key Facts". Maintain and develop the slide presentation "Greater Vancouver - Canada's Pacific Rim Gateway". Prepare an information package on Greater Vancouver's regional cities and towns. Prepare economic monitoring bulletins.
3. Maintain liaison with economic development agencies at the federal, provincial and local levels, with the Vancouver Board of Trade and Chambers of Commerce, and with industry and trade associations. Provide support for an intermunicipal committee of economic development officers.
4. Complete the review and revisions to the Economic Strategy for Greater Vancouver; seek Board resolution.
5. Initiate a dialogue with the provincial government on ways of sharing growth with other parts of British Columbia.
6. Establish a survey of industrial properties within Greater Vancouver in conjunction with municipalities; participate in industrial land studies conducted by member municipalities, ports and others.
7. Initiate discussions with the presidents of the region's community colleges to identify ways of improving literacy in the region's existing and potential work force.
8. Provide support for the task force on toll-free telephone calling in Greater Vancouver.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$110,291	$120,562	$155,490	$103,736
Consultants	32,500	14,029	75,000	35,000
Supplies & services	18,405	29,873	28,985	22,417
	$161,196	$164,464	$259,475	$161,153

DEVELOPMENT SERVICES

3. TRANSPORTATION PLANNING

Purpose

To participate in the process for regional transportation planning; to participate in the formulation and analysis of Regional transportation policies and strategies; to assist others in the analysis of transportation policies and issues by providing research, consultative or co-ordinative services; to support and fund local governments' participation, through GVRD, in the Tri-level Advisory Council that monitors implementation of the recommendations of the Transport of Dangerous Goods Study.

Activities

1. To participate in the second round of the provincial transportation planning process initiated in the autumn of 1990 on the basis of the arrangements made by the GVRD Board and the Minister of Transportation, by:
    - providing secretariat and support services for the seven-person Steering Committee appointed jointly by the Minister and the Board, and for the Project Director engaged for the two-year duration of the project;
    - underwriting a half-share of contracted expenses relating to this program, notably consultants, data collection and the Project Director, the total of such costs being estimated at $500,000 over the two years;
    - providing research, analysis, consulative or co-ordinative services as requested by the Steering Committee or Project Director, including participating in detailed analysis and evaluation of specific transportation projects of regional priority (eg the Vancouver-Richmond Rapid Transit Study);
    - assisting working groups that the Steering Committee may create, made up of staff from municipalities, BC Transit, the Ministry and the private sector;
    - assisting in the integration of the transportation planning project with the Regional Strategic Plan process (described elsewhere);
    - assisting in the exchange of information between the transportation planning project and the Transportation Committee;
    - coordinating the Board's submission to the Ministry on priorities to be reflected in the Ministry's annual capital plan.
2. To undertake research, analysis and implementation on issues of regional transportation policy or strategy, as a means to provide input to the above transportation planning process and/or to respond to recommendations of Creating Our Future.

DEVELOPMENT SERVICES

3. TRANSPORTATION PLANNING (Continued)

3. To undertake research, analysis and implementation on issues or problems which are regional in scope or are shared by/common to several GVRD municipalities, as requested by the Board or by the Transportation Committee.

4. To assist staff of municipalities, BC Transit, the Ministry of Transportation and Highways and other clients in formulating and conducting analysis of their proposed transportation projects, plans or strategies.

5. To participate in the program and activities of the Tri-level Advisory Council established to monitor the implementation of the recommendations of the Transport of Dangerous Goods Study.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$141,068	$115,922	$183,435	$166,957
Consultants	57,500	3,066	30,000	30,000
Phase II: Transportation planning			125,000	125,000
Supplies & services	25,120	16,582	28,650	36,400
	$223,688	$135,570	$367,085	$358,357

DEVELOPMENT SERVICES

4. INFORMATION REQUESTS

Purpose

To respond to requests and inquiries from municipal clients, the public and other GVRD Departments regarding the demographic, land use, economic and transportation data and forecasts maintained by the Department; to assist clients in understanding and working with the data and forecasts; to assist clients in achieving direct computer-to-computer access to the data and forecasting models.

Activities

1. Respond to requests or inquiries from municipal clients, the public, other GVRD Departments and federal and provincial ministries regarding data bases and forecasting models.

2. Assist municipal clients, provincial agencies and others in developing their expertise and capacity to access the Department's data bases and to work with its forecasting models, notably the Transportation Model, in the conduct of their own research and analysis. Update printed information on the Department's data bases and forecasting models. Provide workshops on system resources, access and operation.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 93,548	$53,277	$126,755	$101,443
Supplies & services	17,075	4,897	21,025	22,117
	$110,623	$58,174	$147,780	$123,560

DEVELOPMENT SERVICES

5. DATA BASE MAINTENANCE AND DEVELOPMENT

Purpose

To maintain and develop data bases on Greater Vancouver, including information on population, land use, the economy and transportation as required by the GVRD, member municipalities and the public; to maintain and develop computer systems to effectively store and retrieve data; to maintain and develop computer models for forecasting regional development trends, including population and transportation; to provide direct computer access to data bases and models by GVRD Departments, municipalities and others.

Activities

1. Maintain and update demographic, land use, economic and transportation data bases. Acquire data as required by the GVRD and member municipalities, including special tabulations of census data, economic monitoring information, and development activity data.

2. Maintain and develop the Regional Transportation Model. Update calibration, add new screenline data, and assist municipal clients in developing sub-area models.

3. Maintain and develop the Geographic Information System. Incorporate new applications for regional policy analysis and to respond more effective to information requests.

4. Maintain and improve computer software for remote access to data bases and forecasting models by municipal clients and others.

5. Support the activities of municipal information systems and transportation staff through facilitating intermunicipal liaison.

6. Develop and update the transportation of dangerous goods data base.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 96,687	$ 84,976	$114,355	$110,768
Consultants	37,500	300	9,000	9,000
Amortization of deferred charges	15,300	15,291	15,000	15,000
Supplies & services	18,615	15,738	18,270	24,150
	$168,102	$116,305	$156,625	$158,918

DEVELOPMENT SERVICES

6. DEVELOPMENT SERVICES ADMINISTRATION

Purpose

To provide for the management of the Development Services Department.

Activities

1. To provide programming, planning, budgeting and management for the Department

2. To provide administrative support for Development Services committees.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 84,673	$146,110	$120,640	$ 96,080
Consultants	7,500		7,500	7,500
Supplies & services	14,150	38,678	19,350	20,948
	$106,323	$184,788	$147,490	$124,528

GREATER VANCOUVER REGIONAL DISTRICT

Development Services
1991 Budget
Indirect Departmental Costs

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Mileage, travel & board vehicles	$ 5,500	$ 6,409	$ 7,000	$ 7,000
Materials, supplies & other services	3,050	2,561	2,550	2,550
Rent	110,000	84,617	151,000	151,000
Telephone	11,000	12,443	23,500	23,500
Equipment replacement & maintenance	50,000	34,218	55,000	55,000
Publications	3,250	2,872	4,500	4,500
Central administrative services allocated	47,000	46,495	65,000	65,000
Computer services	127,000	127,000	192,800	192,800
General Administrative Services	6,500	6,622	8,900	8,900
	$363,300	$323,237	$510,250	$510,250

GREATER VANCOUVER REGIONAL DISTRICT
E-9-1-1 EMERGENCY TELEPHONE
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		2,447,372		2,447,372	
Less: Special non-recurring programs		(250,000)		(250,000)	
1990 Base Budget		2,197,372		2,197,372	100.0%
Add: Adjustments to Base					
Sundry		2,516		2,516	
Inflation & GST on Base		131,337		131,337	
Adjusted Base		2,331,225		2,331,225	106.1%
Reduction in existing programs:					
Consultants & Others	A	(118,641)	(26,500)	(145,141)	
Sub-total		2,212,584	(26,500)	2,186,084	99.5%
Monthly Database	A	95,700	(11,700)	84,000	
Telephone Line Charges	A	213,031	168,469	381,500	
City of Vancouver contract					
Regular Services	A	433,917		433,917	
Salary Surcharge	D	0	150,000	150,000	
		742,648	306,769	1,049,417	
Total Operating Budget		2,955,232	280,269	3,235,501	147.2%
Debt Charges		237,491	(40,329)	197,162	
TOTAL 1991 BUDGET		**$3,192,723**	**$239,940**	**$3,432,663**	
Total 1990 Budget		2,639,822		2,639,822	
% Increase		20.9%		30.0%	

This is the first full year of operation for this function.

NOTES:
- A. Maintain existing ongoing programs at increased volume.
- B. New Programs or Increases in Existing Program (approved by board).
- C. New Programs
- D. Special Non-recurring programs.

9-1-1 Emergency Telephone Service

Purpose

On July 15, 1990, the G.V.R.D. Enhanced E9-1-1 Emergency Telephone System went in to service. 9-1-1 provides immediate access to 41 emergency service agencies around the region - police, fire and ambulance.

In an enhanced 9-1-1 system, the control equipment automatically identifies the telephone number from which the call has been placed along with the service address of the phone and the name of the registered owner. This can be a valuable tool for the emergency agencies in the event the caller is unable to provide the information. No G.V.R.D. municipalities had enhanced 9-1-1 prior to the start of the regional system although Vancouver and most of Richmond had the 9-1-1 number in service.

All 9-1-1 calls from the service area - the G.V.R.D. plus the municipalities of Pitt Meadows and Maple Ridge - are automatically routed to the Regional Control Centre at the Vancouver Police Department. There, operators answer the call with "Police, Fire or Ambulance?" and based on the caller's response and the address which is displayed on the operator's screen, the call is immediately conferenced to the correct agency.

Review of Previous Year's Objectives

1990 saw the start-up of the regional 9-1-1 system. This was the culmination of over four years of work. Although the actual system start date was delayed twice, the system has had few interruptions since starting operation.

Coincident with the start of the system, a detailed public education campaign was undertaken by the G.V.R.D.'s 9-1-1 team. An animated television commercial using our 9-1-1 critters (telephone buttons made to look like a policeman, fireman and ambulance attendant) dancing to our catchy jingle was produced. Advertisements explaining the system were placed in all community newspapers along with many ethnic publications. Bookmarks were distributed through the public libraries. The school districts gave out bookmarks and colouring sheets. Police, fire and ambulance departments integrated the 9-1-1 materials into their existing programs.

In conjuction with the Knowledge Network, the G.V.R.D. produced a seven-minute video explaining when to call 9-1-1 and what happens when you call. The video is targeted at children aged 5 to 12, but has been used successfully with seniors and with adults in English-as-a-second-language classes.

All marked police and fire vehicles display the emergency 9-1-1 message. The emergency information page in the 1990 Metro Vancouver telephone book has the 9-1-1 message. Regional telephone directories and various yellow pages will be changed from the seven-digit emergency numbers to 9-1-1 during the year.

All participating agencies within the 9-1-1 system use the Policies and Procedures Manual produced by the G.V.R.D. prior to the start. The manual incorporates comments from all three services and sets out how the agencies will interact through the telephone system.

In order to monitor the system, the G.V.R.D. contracted with a local software supplier to have a monitoring system custom-designed for the region. This package allows authorized users to view current call activity as well as archival records of all calls processed through the system. This management information system will permit reconstruction of a 9-1-1 call in the event of any kind of inquiry. Call volume is averaging 2,300 per day.

The 9-1-1 system uses B.C. Tel's Service Records Database as the source of the address information. All agencies taking 9-1-1 calls complete a form for the G.V.R.D. to pass to B.C. Tel when any errors are detected in the database. To date errors are reported once or twice per day. B.C. Tel has been very responsive to processing the errors notices and making corrections.

The start-up of the system was delayed two months beyond the initially agreed date. This resulted in the G.V.R.D. paying for only 5.5 months of database service and telephone line charges. However, the delay did precipitate some additional advertising charges as a specific program was undertaken to make the public aware of the dalay in start-up. The G.V.R.D. is attempting to recover these additional advertising costs from B.C. Tel.

1991 Plans

In 1991, the public education campaign will continue. The 9-1-1 message will be integrated into existing police, fire and ambulance and other related organization's programs (like first aid training). Materials promoting the 9-1-1 message will continue to be ordered by the G.V.R.D. and distributed to the participants in order to keep the message consistent and to take advantage of economies of scale in ordering. In 1991, the G.V.R.D. 9-1-1 team will focus on three new major target groups - baby-sitters, seniors and the ethnic community. We will work with the emergency services to determine the materials required to reach each of these groups.

The 9-1-1 team will continue to maintain the Policies and Procedures Manual, updating it as need arises. We will continue to work with the agencies to ensure that appropriate procedures are being followed.

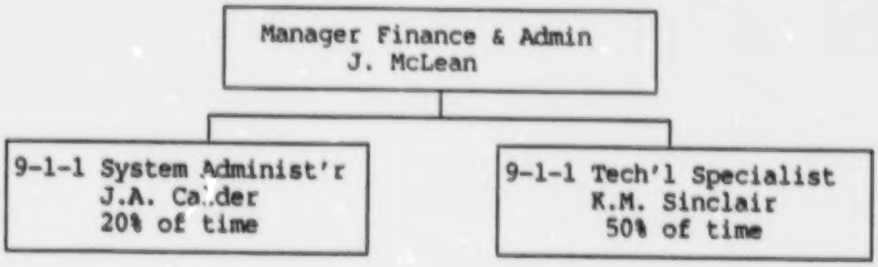
The 9-1-1 team will also continue to respond to inquiries and complaints from the public and from participating agencies as to the performance of the system.

There have been inquiries from other cities as to the availability of the G.V.R.D's 9-1-1 critters, jingle and video for use in other communities. We will continue work with these other communities in hopes of generating some income for the 9-1-1 system through some kind of licensing arrangements.

The final major task for the 9-1-1 project design team will be to negotiate an on-going maintenance agreement with B.C. Tel in support of the central control equipment and the equipment in the 27 downstream agencies. All equipment was delivered with a one year warranty, so the contract will become effective July 15, 1991.

E-9-1-1 EMERGENCY TELEPHONE SYSTEM

ORGANIZATION CHART


Manager Finance & Admin
J. McLean
9-1-1 System Administ'r
J.A. Calder
20% of time
9-1-1 Tech'l Specialist
K.M. Sinclair
50% of time

GREATER VANCOUVER REGIONAL DISTRICT

9-1-1 Emergency Telephone Service
Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Change Over 1990 Final Budget
Revenue					
Members' tax requisitions	$2,607,154	$2,607,154	$2,939,457	$3,422,422	23.8
Surplus from previous year	32,668	32,668	253,266	10,241	(68.7)
Total Revenue	$2,639,822	$2,639,822	$3,192,723	$3,432,663	30.0
Expenditure					
Operating expenses	$2,447,372	$2,537,628	$2,955,232	$3,235,501	24.4
Debt charges	192,450	91,953	237,491	197,162	2.5
Total Expenditure	$2,639,822	$2,629,581	$3,192,723	$3,432,663	30.0
Surplus carried to following year		$10,241			

GREATER VANCOUVER REGIONAL DISTRICT

9-1-1 Emergency Telephone Service
1991 Budget
By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Salaries & employee benefits	$ 37,450	$ 59,256	$ 46,337	$ 46,337
Board vehicles	5,550	8,374	3,200	3,200
Travel & mileage	4,000	4,198	4,500	4,500
Membership, tuition & conference fees	250	320	300	300
Other services	8,000	55,796	19,750	4,750
Purchase, repair & maintenance		323	50,250	250
Equipment maintenance				125,000
Materials & supplies	30,000	44,747	2,500	2,500
Telephone rentals	600	788	1,000	1,000
Office building rental	3,100	2,106	3,100	3,100
Central administrative services allocated	7,400	4,400		7,500
Indirect departmental costs	8,750	7,690	3,775	3,775
Contingency				56,000
Advertising	200,000	261,113	75,000	75,000
Printing	50,000	31,002	5,000	5,000
Insurance	40,000	19,189	33,600	33,600
Consultants	90,000	30,727	2,000	2,000
Contract services	1,536,472	1,536,472	1,970,389	1,820,389
1990 salary surchage				150,000
Line charges	293,800	372,127	506,831	675,300
Database charges	132,000	99,000	227,700	216,000
	2,447,372	2,537,628	2,955,232	3,235,501
Debt charges	192,450	91,953	237,491	197,162
	$2,639,822	$2,629,581	$3,192,723	$3,432,663

GREATER VANCOUVER REGIONAL DISTRICT
ELECTORAL AREAS & RELATED FUNCTIONS
SUMMARY OF CHANGES TO 1991 PROVISIONAL BUDGET

OPERATING BUDGET		1991 PROVISIONAL BUDGET	ADJUSTMENTS	TOTAL	ADJUSTED BASE
1990 Final Operating Budget		436,330		436,330	100.0%
Add: Adjustments to Base					
Building Inspection - replace consultant with staff		10,150	3,150	13,300	
Recreation Services - replace consultants with staff			16,850	16,850	
Grants in aid program superseded			(1,741)	(1,741)	
Inflation & GST on base		28,435	(7,200)	21,235	
Adjusted Base		474,915	11,059	485,974	111.4%
Reduction in existing programs					
Deletion of elections program		(13,500)		(13,500)	
Subtotal		461,415	11,059	472,474	108.3%
Electoral Area C garbage collection - added par	B	4,700		4,700	
Electoral Area C - misc programs	B	4,400		4,400	
Additional administrative support - 3 positions for part year	B				
All areas	B	2,850	(2,850)		
Electoral Area A	B	3,000	(182)	2,818	
Electoral Area B	B	10,632	(758)	9,874	
Electoral Area C	B	42,629	20,324	62,953	
Area B - Additional Planning resources	B	5,850		5,850	
Snug Cove sewer operations	C		11,231	11,231	
		74,061	27,765	101,826	
Total Operating Budget		535,476	38,824	574,300	131.6%
Debt Charges		216,390	16,929	233,319	
TOTAL 1991 BUDGET		**$751,866**	**$55,753**	**$807,619**	
Total 1990 Budget:		651,911		651,911	
% Increase		15.3%		23.9%	

NOTES: A. Maintain existing ongoing programs at increased volume.
B. New Programs or Increases in Existing Program (approved by board).
C. New Programs
D. Special Non-recurring programs.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area & Related Functions
Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget	% Increase Over 1990 Budget
Revenue					
Tax requisitions & User Charges					
Electoral Area "A"	$ 11,910	$ 11,910	$ 9,810	$ 12,548	5.4
Electoral Area "B"	36,534	36,534	64,414	52,487	43.7
Electoral Area "C"	451,616	453,038	469,566	548,256	21.4
Municipalities	95,332	95,332	97,726	111,236	16.7
	595,392	596,814	641,516	724,527	21.7
Other Revenue	35,000	46,339	35,000	40,240	15.0
Surplus from previous year	21,519	21,519	75,350	42,852	99.1
Total Revenue	$651,911	$664,672	$751,866	$807,619	23.9
Expenditure					
Operating expenses	$436,330	$420,737	$535,476	$574,300	31.6
Fiscal services	215,581	201,083	216,390	233,319	8.2
Total Expenditure	$651,911	$621,820	$751,866	$807,619	
Surplus carried to following year		$42,852			

ELECTORAL AREA & RELATED FUNCTIONS

Allocated to all Electoral Areas

Election and Enumeration Expenses

Purpose

The Regional District, under the Municipal Act, is required to prepare, update or review the voters lists for its three Electoral Areas, and to undertake the holding of elections for Electoral Area Directors and Islands Trustees. These elections are held at the same time and in the same manner as the November municipal elections.

Activities or Level of Service

Enumeration of voters may be carried out on a house-to-house basis in more settled areas although this is usually waived by Board resolution. Deputy Registration Officers are appointed to accept registrations in the Electoral Areas. Expenses include advertising as required under the Municipal Act.

The Court of Revision, appointed by the Board, certifies the voters lists for use in elections of Electoral Areas Directors, Islands Trustees and School Trustees.

Elections are held every three years for Directors in the three Electoral Areas and for Islands Trustees in Electoral Area "C" and part of Electoral Area "B". Expenses include staffing the polls (using mainly temporary help), rentals of school facilities and equipment, printing of forms and ballots, mileage and some travel costs. Advertising expenses are incurred as a result of the statutory requirement to publish notices in the local press. Expenses incurred for Islands Trust elections are reimbursed by the Province.

U.B.C.M. and Other Expenses

Purpose

This account covers expenses relating to participation by Electoral Area Directors in the U.B.C.M., including membership dues and registration.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area & Related Functions
Allocated to All Electoral Areas
Provisional Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions				
Electoral Area "A"	$ 8,416	$ 8,416	$2,580	$(1,030)
Electoral Area "B"	1,483	1,483	337	(132)
Electoral Area "C"	3,977	3,977	1,383	(548)
	13,876	13,876	4,300	(1,710)
Surplus from previous year	2,124	(1,320)	1,050	4,210
Total Revenue	$16,000	$12,556	$5,350	$2,500
Expenditure				
Election and enumeration expenses				
Advertising	$	$ 3,783		
Other services		1,027		
Materials & supplies		1,326		
Temporary help		3,100		
Recoveries		(3,291)		
	13,500	5,945		
U.B.C.M. & other expenses	2,500	2,401	5,350	2,500
Total Expenditure	$16,000	$8,346	$5,350	$2,500
Surplus carried to following year		$4,210		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "A" - Financed by General Tax Requisition

General Expenses

To provide funds for expenditures on minor works and for information mailing initiated by the Area Directors.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

Electoral Area "A" Administration

Purpose

To provide for the general administration of Electoral Area matters in Electoral Area "A".

Activities or Level of Service

Activities include liason with staff support to the Area Director and the Electoral Areas Committee, provision of information to the public on request, and related support activities.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$ 3,494	$ 3,494	$ 7,230	$13,578
Surplus/(Deficit) from previous year	1,986	1,986	1,493	(5,037)
Total Revenue	$ 5,480	$ 5,480	$ 8,723	$ 8,541
Expenditure				
General expenses	$ 2,500	$ 769	$ 2,500	$ 2,500
Administration	2,980	9,748	6,223	6,041
	$ 5,480	$10,517	$ 8,723	$ 8,541
Deficit carried to following year		$(5,037)		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "B" - Financed by General Tax Requisition

Administration

Purpose

To provide for the general administration of Electoral Area matters in Electoral Area "B".

Activities or Level of Service

Activities include liaison with and staff support to the Area Director and the Electoral Areas Committee; provision of information to the public on request; administration of the Board of Variance; and budget preparation, together with routine guidance of community development through administration of regulatory bylaws and responses to senior government referrals. In 1989 a study of options for local service delivery was conducted with assistance of a grant from the Ministry of Municipal Affairs for 100% of the costs. The options identified are currently being considered in consultation with the communities affected.

General Expenses - Electoral Area "B"

Purpose

To provide funds for expenditures on minor works and for information mailing initiated by the Area Directors.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$ 9,566	$ 9,566	$33,200	$21,261
Surplus from previous year	23,334	26,770	11,600	22,781
Total Revenue	$32,900	$36,336	$44,800	$44,042
Expenditure				
Administration				
Salaries & employee benefits	$16,130	$10,248	$29,150	$27,842
Other Services	14,270	3,307	13,150	13,700
	30,400	13,555	42,300	41,542
General Expenses	2,500		2,500	2,500
Total Expenditure	$32,900	$13,555	$44,800	$44,042
Surplus carried to following year		$22,781		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "B" - Programs Financed by Other Taxes and/or User Charges

Advisory Planning Commission

Purpose

Under Section 955 of the Municipal Act, the Regional District may establish Advisory Planning Commissions (A.P.C.'s) in the Electoral Areas.

Activities or Level of Service

The APC provides local input into the local planning function for which the Board is responsible in Electoral Area "B". In recent years the level of activity has declined as a result of the incorporation of parts of Electoral Area "B" into the City of Port Moody and the Village of Anmore.

Local Planning

Purpose

To provide local planning services to Electoral Area "B".

Activities or Level of Service

Routine administration.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area & Related Functions
Electoral Area "B"
Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$16,346	$16,346	$23,750	$21,383
Surplus/(Deficit) from previous year	(846)	(846)	(1,000)	1,367
Total Revenue	$15,500	$15,500	$22,750	$22,750
Expenditure				
Advisory Planning Commission	$ 2,500		$ 2,700	
Planning - Local	13,000	14,133	20,050	
Total Expenditure	$15,500	$14,133	$22,750	$22,750
Surplus carried to following year		$1,367		

ELECTORAL AREA & RELATED FUNCTIONS

Fire Regulations - Defined Area, Electoral Area "B"

Purpose

By Supplementary Letters Patent issued in January 1980, the GVRD was granted the power to enact Fire Regulations in the Village of Belcarra and the Defined Portion of Electoral Area "B". Amendments to the letters patent will be required to reflect the restructuring of local government within the subject area.

Activities or Level of Service

Bylaw #352 establishes the regulations and provides for the issuance of burning permits. The Bylaw is administered by members of the Sasamat Volunteer Fire Department, who issue permits. Enforcement is by the RCMP.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Surplus from previous year	$ 300	$ 300	$ 300	$ 300
Total Revenue	$ 300	$ 300	$ 300	$ 300
Expenditure				
Administration	$ 300		$ 300	$ 300
Total Expenditure	$ 300		$ 300	$ 300
Surplus carried to following year		$ 300		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "B" - Sunnyside Fire Protection Specified Area

Purpose

To pay for fire protection services contracted from Port Moody.

Activities or Level of Service

As provided for under By-law No. 609.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$ 2,370	$ 2,370	$ 3,180	$ 2,637
Surplus from previous year	630	630		543
Total Revenue	$ 3,000	$ 3,000	$ 3,180	$ 3,180
Expenditure				
Contract Services	$ 3,000	$ 2,457	$ 3,180	$ 3,180
Total Expenditure	$ 3,000	$ 2,457	$ 3,180	$ 3,180
Surplus carried to following year		$ 543		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Areas Building Inspection

Purpose

To provide building inspection services to Electoral Areas "B" and "C".

Activities or Level of Service

Building inspection services have been provided on site on two days a week for Bowen Island and on one afternoon a week in Electoral Area "B". The office hours for the inspector have been Tuesday mornings and on Fridays. Other times, messages are taken for return telephone calls.

Twenty-six hours a week have been allowed for the total Building Inspectors' time. One Building Inspector responsible for Area "B" has been on a contract basis for the past five years. With the incorporation of Anmore and the annexation of Ioco by Port Moody, the area, tax base and service levels for this function are considerably reduced. The other Building Inspector has been on contract for the past two years, is responsible for Area "C" and is resident on Bowen Island. Provision is made for increased service to reflect the high level of building activity on Bowen Island.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions				
Electoral Area "B"	$ 6,769	$ 6,769	$ 3,947	$ 7,338
Electoral Area "C"	18,147	18,147	16,234	30,357
	24,916	24,916	20,181	37,695
Building inspection fees & other revenue	30,000	36,099	30,000	30,000
Surplus/(Deficit) from previous year	(9,016)	(9,015)	5,869	(8,495)
Total Revenue	$45,900	$52,000	$56,050	$59,200
Expenditure				
Salaries & employee benefits	$	$ 3,230	$26,000	$29,150
Consultants	38,000	32,497	12,000	12,000
Other services	3,700	5,286	11,850	11,850
Building rental allocated	1,200	676	1,200	1,200
Legal	3,000	18,806	5,000	5,000
Total Expenditure	$45,900	$60,495	$56,050	$59,200
Deficit carried to following year		$(8,495)		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "C" - Programs Financed by General Tax Requisition

Administration

Purpose

To provide for the general administration of electoral area matters on Bowen Island.

Activities or Level of Service

General administration includes liaison with the Area Director, providing information to the public on request, administration and enforcement of by-laws and various other matters.

The budget for this function also includes secretarial services supplied by Development Services and reception services shared with the Development Services and Park Departments.

Electoral Area "C" Noise By-law

Purpose

To administer By-law 519, a by-law for the regulation of community noise in Electoral Area "C".

Activities or Level of Service

A Bylaw for the regulation of community noise was finalized in June of 1985 and is enforced by the R.C.M.P. The 1988 Budget allows for administrative costs and legal fees.

Electoral Area "C" Dog Control By-law

Purpose

Under Supplementary Letters Patent, the Board has enacted a Bylaw "to regulate the keeping of dogs...on Bowen Island". The By-law was reissued in 1989 and is awaiting approval by the Inspector of Municipalities.

Activities or Level of Service

An agreement has been entered into with SPCA to provide for an "on-call" service to pick up dogs running at large, as well as a pound service.

The budget provides for paying the SPCA for their service and for an amount for administrative time and possible legal costs.

It is proposed to reinstate a licensing system in 1990 to assist with Dog Control enforcement. The costs of this service to be provided on contract by the District of West Vancouver will be offset entirely by license fees.

ELECTORAL AREA & RELATED FUNCTIONS

Bowen Island Recreation Commission

Purpose

Under Supplementary Letters Patent, the Board provides recreational programs for Electoral Area "C".

Under this authority, GVRD has established the Bowen Island Recreation Commission with power to organize and conduct a recreational program.

Activities or Level of Service

Two part-time persons have been retained to develop and operate the recreational program under the direction of the Recreation Commission.

The major part of the program involves classes held at the Community School/Recreation Centre. Fees charged for these classes cover the costs of instructors, materials, etc. These fees and costs are not included in this budget.

ELECTORAL AREA & RELATED FUNCTIONS

Grants in Aid of Community Services

Purpose

To provide grants under Sections 770(3), 770(4) and 791(1) of the Municipal Act for the general benefit of the community.

Activities or Level of Service

In previous years this allocation has been used entirely to support the Bowen Island Library. In 1989 the grant was reduced in order to provide for a small grant to provide needed maintenance of the community softball field and to provide a grant to the Recreation Commission to offset rental charges for community groups using Recreation Commission space.

General Expenses - Electoral Area "C"

Purpose

To provide funds for expenditures on minor works and for information mailing initiated by the Area Director.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area & Related Functions
Allocated to Electoral Area "C"
Provisional Revenue and Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$152,542	$152,542	$161,798	$229,834
Surplus/(Deficit) from previous year	(4,461)	(4,461)	40,556	7,953
Total Revenue	$148,081	$148,081	$202,354	$237,787
Expenditure				
Administration				
Salaries & employee benefits	$ 48,240	$ 59,915	$ 90,563	$108,737
Consultants	5,000	1,800	5,000	5,000
Legal	1,500		3,000	3,000
Other services & supplies	14,900	12,034	16,600	18,750
	69,640	73,749	115,163	135,487
Recreation Commission				
Salaries & employee benefits	32,000	32,864	38,400	52,250
Other services & supplies	13,200	9,263	13,450	16,450
	45,200	42,127	51,850	68,700
Noise Control	1,000	898	1,000	1,000
Dog Control	8,000	3,354	9,500	9,500
Grants in Aid	1,741		1,741	
General Expenses	2,500		3,100	3,100
Bowen Island Library	20,000	20,000	20,000	20,000
Total Expenditure	$148,081	$140,128	$202,354	$237,787
Surplus carried to following year:		$7,953		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "C" - Financed by Other Taxes and/or User Charges

Garbage Collection

Purpose

A Specified Area was established on Bowen Island twelve years ago for the purposes of providing a garbage pickup service and for the disposal of that garbage. A uniform parcel tax on developed residential property has been established to pay all costs for this service.

Activities or Level of Service

The GVRD contracts for the pickup and disposal service for garbage with a private contractor. In 1988 a contract for five years was awarded by tender to the present contractor. This contract came into effect on January 1, 1989.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$101,602	$106,163	$116,997	$109,668
Surplus/(Deficit) from previous year	(3,152)	(3,154)	3,953	5,332
Total Revenue	$ 98,450	$103,009	$120,950	$115,000
Expenditure				
Contract services	$ 90,300	$91,466	$112,800	$106,000
Other services	8,150	6,211	8,150	9,000
Total Expenditure	$ 98,450	$97,677	$120,950	$115,000
Surplus carried to following year		$5,332		

ELECTORAL AREA & RELATED FUNCTIONS

Cove Bay Public Utility - Specified Area

Purpose

To pay for the capital costs of reconstruction and upgrading of a water supply and distribution system for the specified area.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax Requisitions	$135,325	$138,874	$135,518	$130,411
Surplus from previous year	1,858	1,866	1,665	6,772
Total Revenue	$137,183	$140,740	$137,183	$137,183
Expenditure				
Debt Charges	$129,340	$129,340	$129,340	
Other Services	7,843	4,628	7,843	
Total Expenditure	$137,183	$133,968	$137,183	$137,183
Surplus carried to following year		$6,772		

ELECTORAL AREA & RELATED FUNCTIONS

Snug Cove Sewage System - Specified Area

Purpose

To pay for the capital costs of construction of a sewage treatment system for the specified area.

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$ 5,242	$ 1,456	$ 4,226	$ 1,455
User charge	7,864	4,962	6,338	19,690
Surplus from previous year	6,094	6,094	8,486	6,065
Total Revenue	$19,200	$12,512	$19,050	$27,210
Expenditure				
Operating charges	$	$2,735	$	$12,000
Debt Charges	16,250	3,712	17,050	13,979
Other Services	2,950		2,000	1,231
Total Expenditure	$19,200	$6,447	$19,050	$27,210
Surplus carried to following year		$6,065		

ELECTORAL AREA & RELATED FUNCTIONS

Electoral Area "C" - Recreation Services Specified Area

Purpose

To pay for the capital costs of construction of a portion of the Community School/Recreation Centre on Bowen Island used for recreation purposes.

The debt charges for the construction of the Bowen Island Community School are shared between the GVRD and School District 45 (West Vancouver). This budget provides for the GVRD share which is to be charged to Electoral Area "C".

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions	$26,917	$26,917	$27,072	$27,389
Surplus from previous year	1,524	1,524	1,378	1,061
Total Revenue	$28,441	$28,441	$28,450	$28,450
Expenditure				
Debt charges				
Principal & interest	$22,753	$22,753	$22,752	$
Foreign exchange premiums	5,688	4,627	5,698	
Total Expenditure	$28,441	$27,380	$28,450	$28,450
Surplus carried to following year		$1,061		

ELECTORAL AREA & RELATED FUNCTIONS

Sasamat Volunteer Fire Department

Purpose

Through Supplementary Letters Patent, the GVRD established the Sasamat Volunteer Fire Department (SVFD) to provide Fire Protection and Emergency services to the Villages of Belcarra and Anmore. These same services are provided through contract agreements to the G.V.R.D. Parks in the area.

Activities or Level of Service

The SVFD comprises 30 volunteers, 2 firehalls (one in Belcarra and one in Anmore), 2 tanker trucks, 2 pumper trucks and 1 rescue-and-safety van. The Department responds to approximately 40 to 45 call-outs per year, of which roughly 60% are fire calls and 40% are motor vehicle related accidents.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area & Related Functions
Sasamat Volunteer Fire Department
Revenue & Expenditure Budget
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Provisional Budget	1991 Final Budget
Revenue				
Tax requisitions				
Anmore	$ 16,869	$ 16,869	$ 21,328	$ 27,196
Belcarra	21,865	21,865	19,800	27,442
Port Moody	56,598	56,598	56,598	56,598
	95,332	95,332	97,726	111,236
Other revenue	5,000	10,240	5,000	10,240
Surplus from previous year	1,144	1,145		
Total Revenue	$101,476	$106,717	$102,726	$121,476
Expenditure				
Operating Expenditures	59,926	66,066	61,176	59,926
Fiscal Services				
Debt Charges	22,400	22,342	22,400	22,400
Contribution to Capital Reserve Fund	19,150	18,309	19,150	39,150
	41,550	40,651	41,550	61,550
Total Expenditure	$101,476	$106,717	$102,726	$121,476

Greater Vancouver Housing Corporation
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Telephone (604) 432-6300
Fax (604) 432-6251

TO: Board of Directors

FROM: Secretary-Treasurer

RE: 1991 Budget

DATE: May 6, 1991

The Final Budget is provided for the information and approval of the Board of Directors. It provides information on the Corporation's operations and expresses the plan for 1991 in monetary terms.

Changes from Preliminary Budget

Some costs, particularly for contracted services, have been changed where better knowledge has become available. These cost increases, totalling $104,428, have been balanced by increases to the amount of CMHC assistance and reductions in extra contributions to the Replacement Reserve Fund.

1990 Operations

The 1990 rental operations resulted in a surplus of $82,546 after reducing the maximum C.M.H.C. mortgage assistance by $1,526,627. The average 1990 residential vacancy rate was 1.7% compared to a budget rate of 1.2%. The average internal subsidy rate, excluding Downtown Eastside projects, as a percent of total rent potential, was 3.0% compared to a 3.7% budget rate.

The 1990 surplus, which relates to the Section 15 projects, was transferred to the Replacement Reserve.

1991 Budget

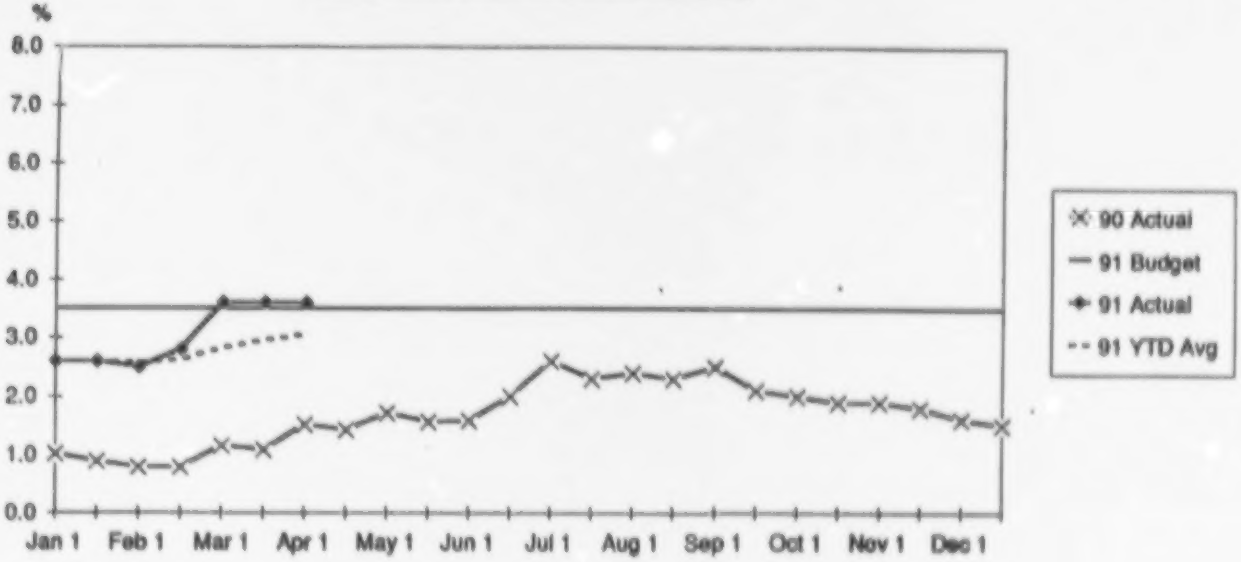
Net residential rental income is projected to increase $1,080,152 (5.3%) over 1990. Net residential rentals are calculated as follows:

Total residential potential	$24,207,853
Less: Estimated vacancies	(929,210)
Estimated internal subsidies	(1,096,000)
Net Residential Rents	$22,182,643

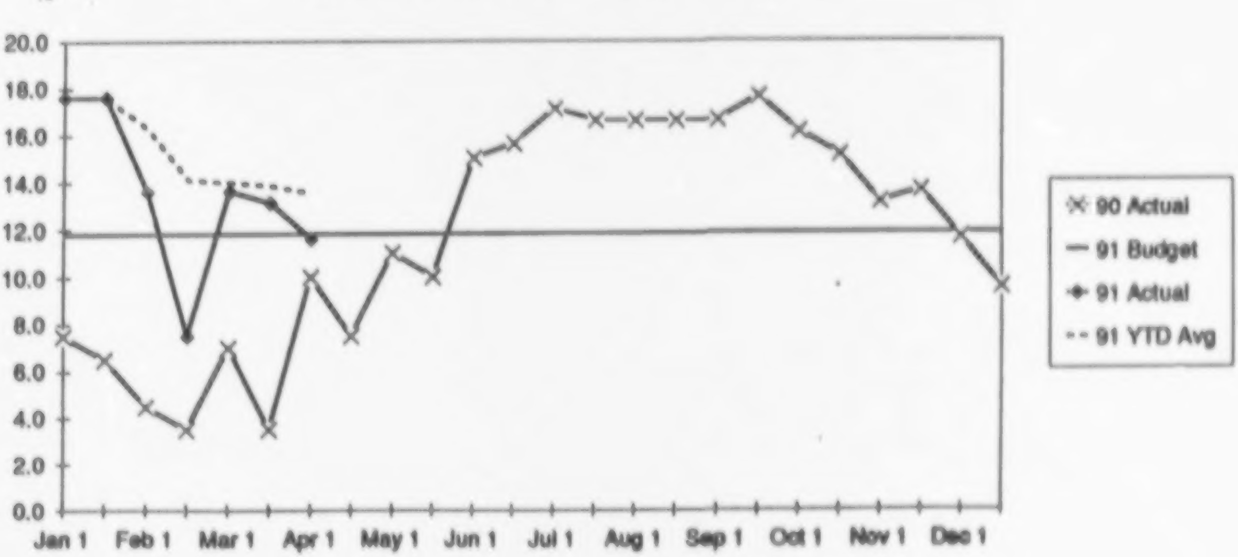
Vacancy Rate

The number of vacant units, which had been falling steadily in the latter half of 1990, jumped sharply in the first quarter of 1991. The total 1991 residential vacancy rate is projected at 3.8% and has not been changed from the Provisional Budget. The rate as of April 1 was 4.1%. By comparison, the residential vacancy rate used for the 1990 budget was 2.4%.

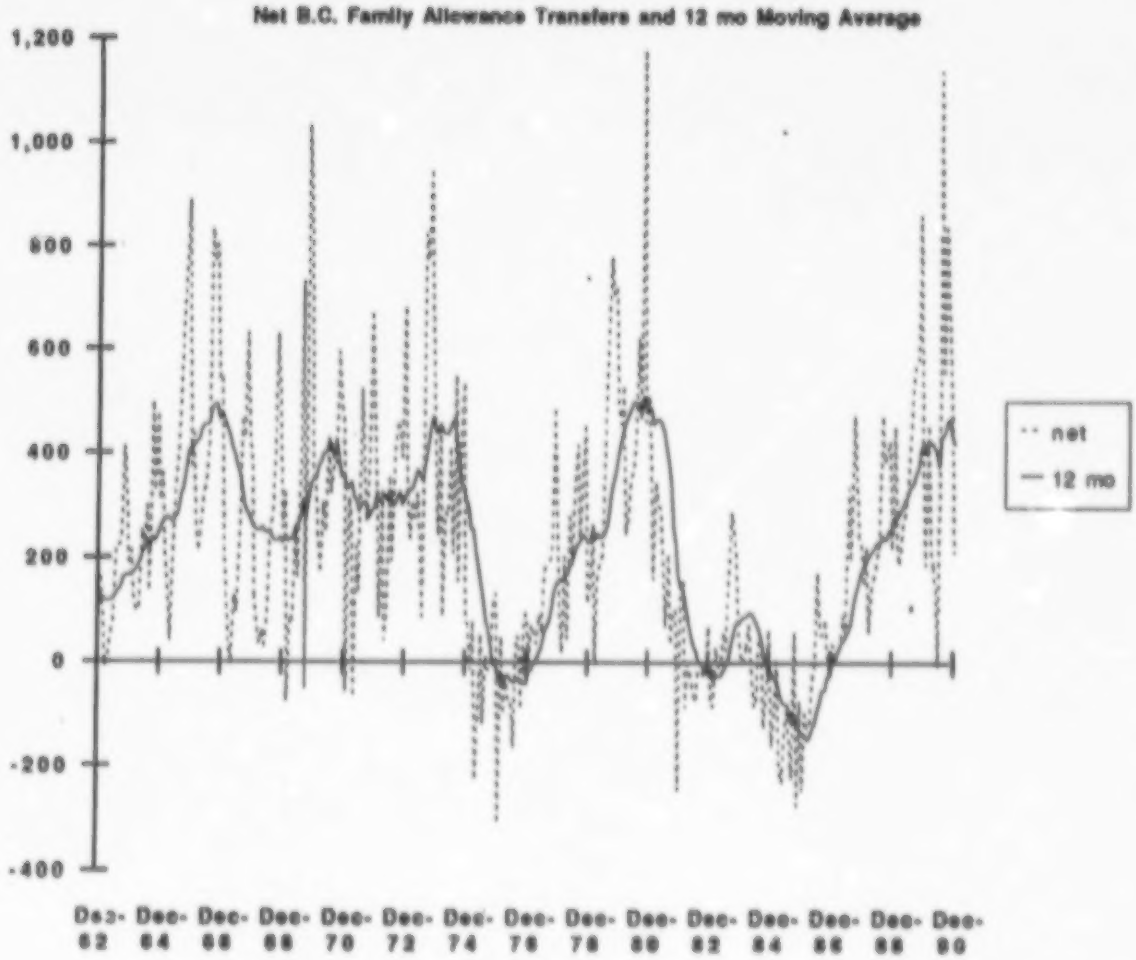
RESIDENTIAL VACANCY RATES EXCLUDING DOWNTOWN EASTSIDE



RESIDENTIAL VACANCY RATES DOWNTOWN EASTSIDE RESIDENCES

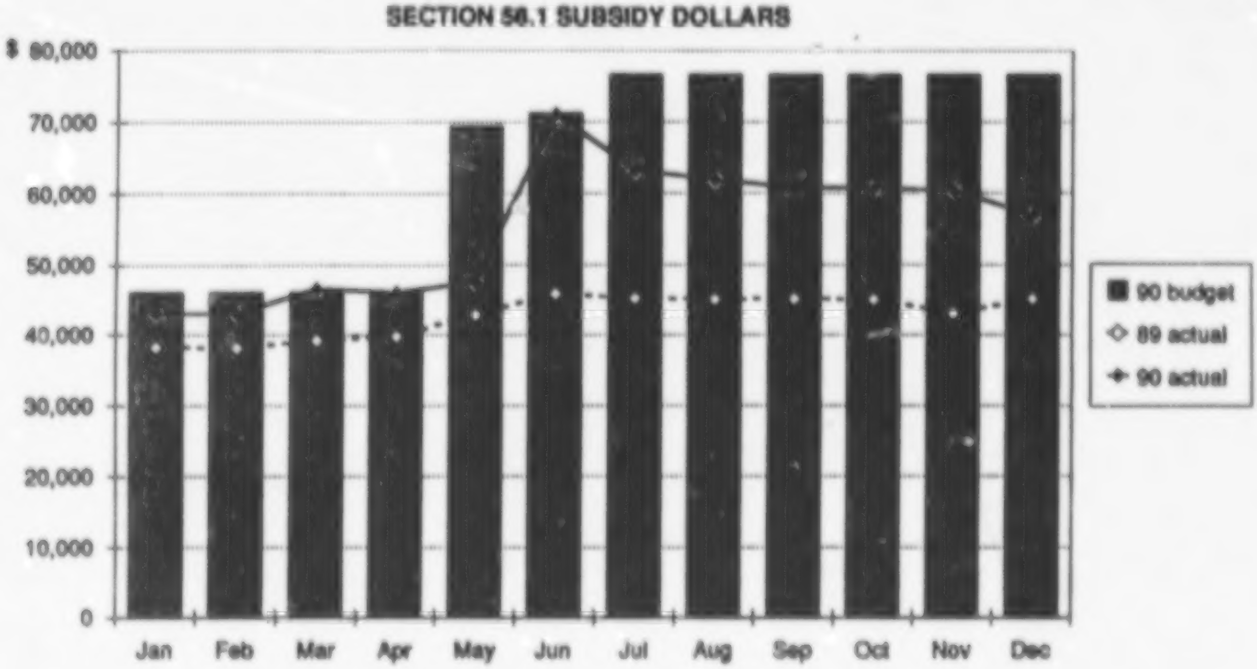


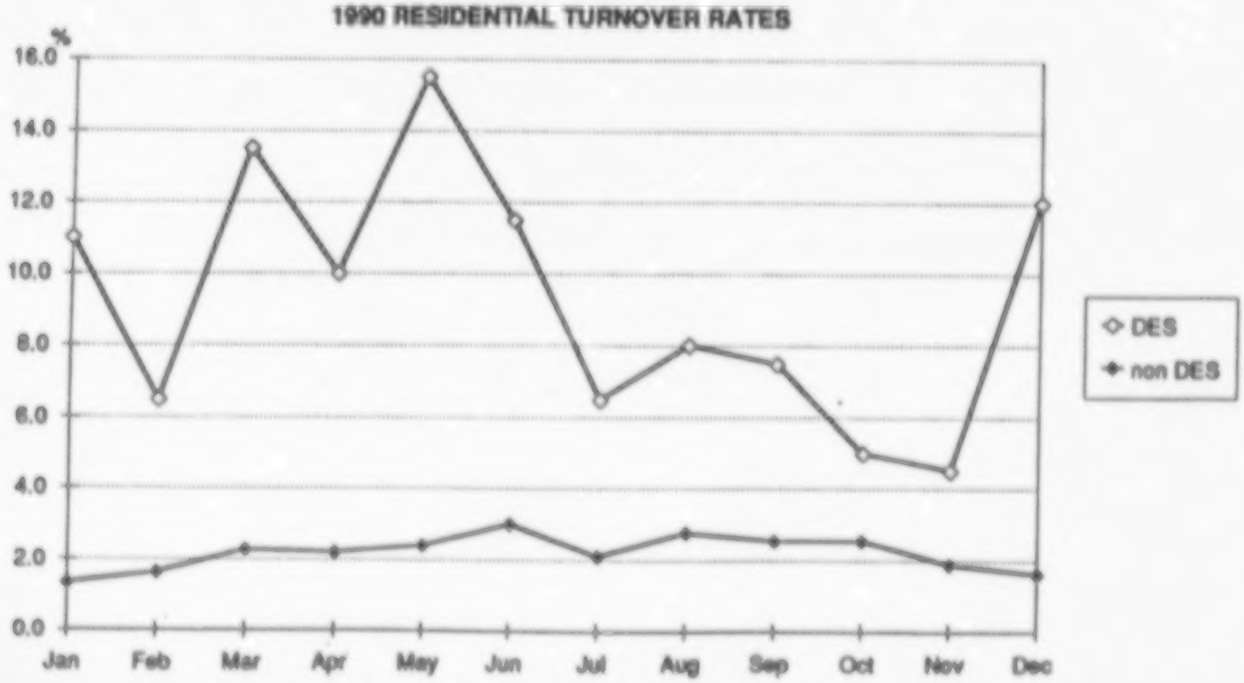
Net Family Allowance transfers to B.C. from other parts of the country, which serve as an indicator of population movements, were very volatile in 1990, but were on average fairly high.



Internal Subsidies

Although the budgeted internal subsidy level was not achieved in 1990, it has been increased to 5.6% of rent potential on Section 56.1 projects for 1991. This is in recognition of the continuing high rate of increase in market rent levels required by C.M.H.C., which increase the number of existing tenants eligible for assistance.


SECTION 56.1 SUBSIDY DOLLARS


1990 RESIDENTIAL TURNOVER RATES

Operating Expenses

Operating costs are projected to climb by $592,941 (6.0%) from 1990 Final Budget levels. The budget for extraordinary items is $1,201,700, an increase of $496,700 over the 1990 budget.

Items at $20,000 and above at individual projects.

PROJECT	ITEM	AMOUNT
Guildford Glen	Replace windows	$ 40,000
	Repair headers over doors	30,000
Kingston Gardens	Re-insulate ceiling in undercover parking	20,000
	Washer & Dryer hookups in townhouses and upgrade and enlarge laundry room	27,000
	Replace windows, patio doors & gutters over patio doors	20,000
Epsom Downs	Install fence	30,000
London Square	Relocate water shut off in units	20,000
Somerset Gardens	Upgrade fencing	25,000
Ram Beamish	Upgrade landscaping	20,000
	Repair balconies	50,000
Greystone Village	Remove inground plastic sheeting and improve drainage	20,000
Meridian Village	Upgrade landscaping	36,000
	Overhaul boiler room equipment	30,000
Chateau Place	Refinish kitchen & bathroom cupboards	24,000
Ozada Village	Install aluminum to balcony ceilings	40,000
	Upgrade eaves and drainpipes	25,000
	Repair underground parking ceiling	25,000
Earle Adams	Replace counter tops and kitchen cupboards	50,000
Stanley New Fountain	Repair all floor tiles	20,000
		552,000

Items of less than $20,000 and repeated in several projects.

Replace kitchen cabinets, counter tops and bathroom cabinets and vanities		147,500
Upgrade play areas		43,000
Upgrade landscaping		103,500
Replace and upgrade lighting		61,200
Repair, replace, upgrade outside fences and pedestrian and vehicle areas		129,500
Garbage area improvements		34,200
Repair blacktop & improve drainage		28,000
Replace/repair range hoods		17,720
	Subtotal	564,620
Miscellaneous items		85,080
Total		$1,201,700

Reserve Funds

The Corporation maintains three separate funds to assist in the financing of various aspects of its operations.

Replacement Reserve

Under the operating agreements with C.M.H.C., the Corporation is required to set aside funds annually to provide for repair and replacement of specified major components of the projects such as roofs and appliances. The annual contribution is based on 1% of the construction cost of the project at the time it was built. Expenditures from the reserve have been running less than projected to date, although this is expected to change.

	1990 Final Budget	1990 Actual	1991 Projected
Balance January 1st	$13,752,488	$13,752,488	$15,767,062
Add:			
Provided from operations (56.1)	1,597,519	1,597,519	1,597,519
Provided from Operations (15)	261,343	279,611	272,422
Interest earned	1,483,600	1,590,473	1,562,946
	17,094,950	17,220,091	19,199,949
Less: Expenditures	1,765,150	1,453,029	3,439,500
Balance December 31st	$15,329,800	$15,767,062	$15,760,449

Rental Subsidy Reserves

Under the operating agreement, the Corporation is allowed to set aside up to $500 per unit to assist in maintaining rental subsidies in years when a deficit is incurred. The maximum allowable contributions have made to this fund.

	1990 Final Budget	1990 Actual	1991 Projected
Balance January 1st	$1,649,672	$1,649,671	$1,837,188
Add:			
Provided from Non-Rental Ops.	0	(500)	0
Interest earned	192,800	188,017	168,398
Balance December 31st	$1,842,472	$1,837,188	$2,005,586

Capital Reserve Fund

The Capital Reserve Fund was originally created from a capital gain on the sale of property and is not shareable with C.M.H.C. Earnings on the fund are taken into non-rental operations together with interest income from other sources. This income covers corporate overhead expenditures, deficits on Section 15 project operations and Property Management costs in excess of amounts recoverable from project operations. The residue is then contributed to the fund. This residue is projected to drop sharply for 1991 due to the impact of declining interest rates on its revenues, and increasing costs.

	1990 Final Budget	1990 Actual	1991 Projected
Balance January 1st	$3,270,284	$5,430,122	$3,558,645
Net contributions from non-rental operations	382,203	292,325	90,956
Less:			
Expenditures		(3,964)	
Transfer to Revenue fund for prior years rental operations deficits		(2,159,838)	
Transfer to contribute to rental housing study			(20,000)
	$3,652,487	$3,558,645	$3,629,601

Financial Impact

For the majority of our projects, increases in expenditures or subsidies would be met by increased CMHC assistance. Approximately $1,763,335 more of mortgage assistance is available in 1991. However, decisions made at this time on the structure of rental revenues may have longer term implications and an impact on future years.

Member Municipalities

The housing function has not required any Regional District tax requisitions from member municipalities since 1982.

The Housing projects pay normal rates and levies to the municipalities in which they are resident.

GREATER VANCOUVER HOUSING CORPORATION

Appendix 1

Rental Operations
Comparison of Projects in Operation Excluding Dowtown Eastside Residences and Cedarwood Seniors' Project

	Average Monthly Amount Per Unit			% Change 1991 Budget over 1990 Actual
	1989 Actual	1990 Actual	1991 Budget	
Revenue				
Rents	524.55	565.85	601.58	6.31
Miscellaneous Income	7.11	8.31	7.21	-13.24
	531.66	574.16	608.79	6.03
Expenditure				
Advertising	0.11	0.41	0.55	34.15
Gardening	11.18	12.96	12.76	-1.54
Security	0.83	1.69	1.36	-19.53
Garbage Removal	6.38	7.25	8.23	13.52
Other Services & Supplies	4.07	5.04	5.28	4.76
Repairs & Maintenance	22.77	27.14	24.92	-8.18
Decorating & Cleaning	18.34	20.03	19.58	-2.25
Utitlities	19.07	19.68	21.29	8.18
Site Management Costs	28.51	30.86	32.31	4.70
Provision for Doubtful Account	0.60	1.15	1.20	4.35
Insurance	5.41	5.18	5.34	3.09
Property Taxes & Sewer Rates	58.03	60.83	63.68	4.69
Management Fee	28.39	29.80	31.60	6.04
Total Operating	203.70	222.02	228.10	2.74
Replacement Reserve	44.14	44.14	44.14	
Extraordinary Items	8.65	13.26	34.06	156.86
Net Debt (net of subsidies)	258.43	290.24	293.11	0.99
	514.91	569.66	599.41	5.22
Net Operating Surplus/(Deficit)	16.75	4.49	9.38	

GREATER VANCOUVER HOUSING CORPORATION

Long-Term and Ongoing Role

1. To provide a continuing supply of non-profit rental housing for those of low and moderate income.

2. To interpret and utilize the Federal and Provincial Housing assistance and subsidy programs to provide the most effective means of delivering non-profit rental housing.

3. To provide such housing fully in accordance with Regional and Municipal objectives and approval.

4. To continually review design, quality and construction techniques to ensure that optimum capital cost is realized in conjunction with long-term tenant satisfaction.

5. To provide a Property Management function for the housing produced which is practical and efficient, yet has a sensitivity to the concerns of tenants who are on low and moderate income.

6. To maintain, as far as possible, full rental occupancy throughout the portfolio.

7. To collect full rents as they become due and keep bad debts to a minimum.

8. To carefully adhere to pre-planned short, medium and long-run maintenance and preventative maintenance programs.

9. To prepare financially for maintenance programs and to provide for the necessary reserves to achieve this.

10. To continue to research the need for affordable seniors' accommodation and to promote design criteria to meet the special needs of seniors.

11. To continue providing operational management of the Greater Vancouver Housing Corporation stock of housing units which has accumulated since 1976 as follows:

Year	No. of Housing Units Delivered	Cumulative Total
1976	202	202
1977	181	383
1978	-	383
1979	258	641
1980	127	768
1981	335	1,103
1982	1,032	2,135
1983	313	2,448
1984	466	2,914
1985	170	3,084
1986	-	3,084
1987	73	3,157
1988	-	3,156
1989	-	3,156

Long-Term and Ongoing Role (Continued)

Municipality	Completed and Rented
Burnaby	248
Coquitlam	183
Delta	90
New Westminster	142
North Vancouver City	91
Port Coquitlam	313
Port Moody	52
Richmond	514
Surrey	665
Vancouver	858
TOTALS	3,156

1991 Short-Term Objectives

1. To continue to pursue means of acquiring units specific to the needs of seniors by utilizing land-lease agreements with member municipalities.

2. To increase the level of subsidies available at appropriate projects

3. To implement rent increases to meet increasing operating costs and at the same time hold the vacancy rate at a modest level.

4. To approach C.M.H.C. in an attempt to increase the level of Replacement Reserve permitted.

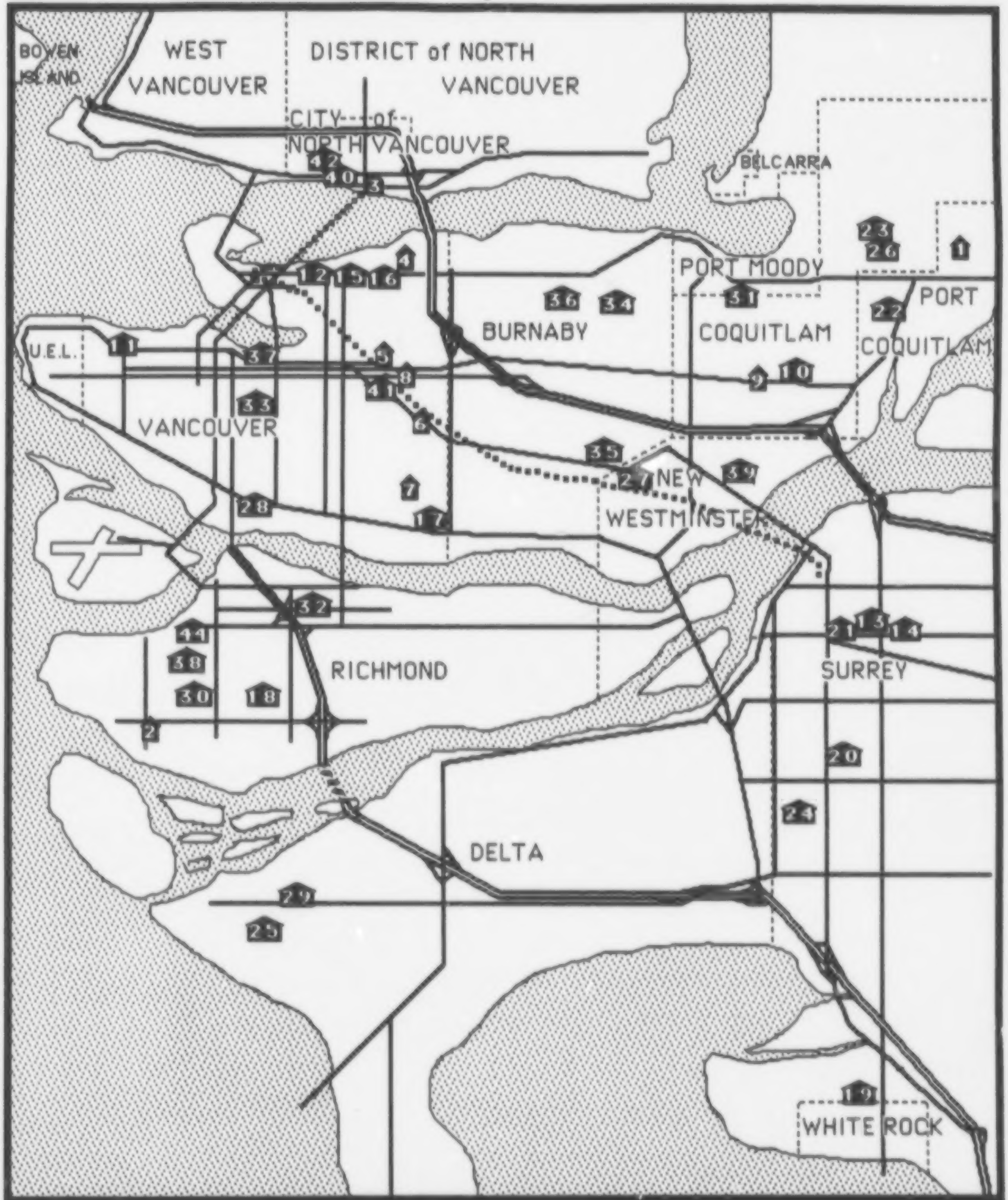
5. To implement the field-head office systems' program to improve the flow of information to and from each.

Review of Prior Year's Objectives

From almost every aspect, 1990 was a very positive year. Revenue was up, largely due to a better than budgeted occupancy rate while expenditures were held to an acceptable level.

The overall tightening in the private marketplace and increasing home prices have meant a more stable rental client. Lack of alternatives has resulted in an improved tenant turnover rate and a more reliable and responsible tenant.

The Board has indicated its desire to continue to provide seniors' housing and the Corporation will be working towards a stronger partnership with member municipalities in acquiring more affordable projects for our seniors.


BOWEN ISLAND
WEST VANCOUVER
DISTRICT of NORTH VANCOUVER
CITY of NORTH VANCOUVER
BELCARRA
PORT MOODY
PORT COQUITLAM
BURNABY
COQUITLAM
U.E.L.
VANCOUVER
NEW WESTMINSTER
RICHMOND
SURREY
DELTA
WHITE ROCK
42
40
3
4
12
15
16
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1
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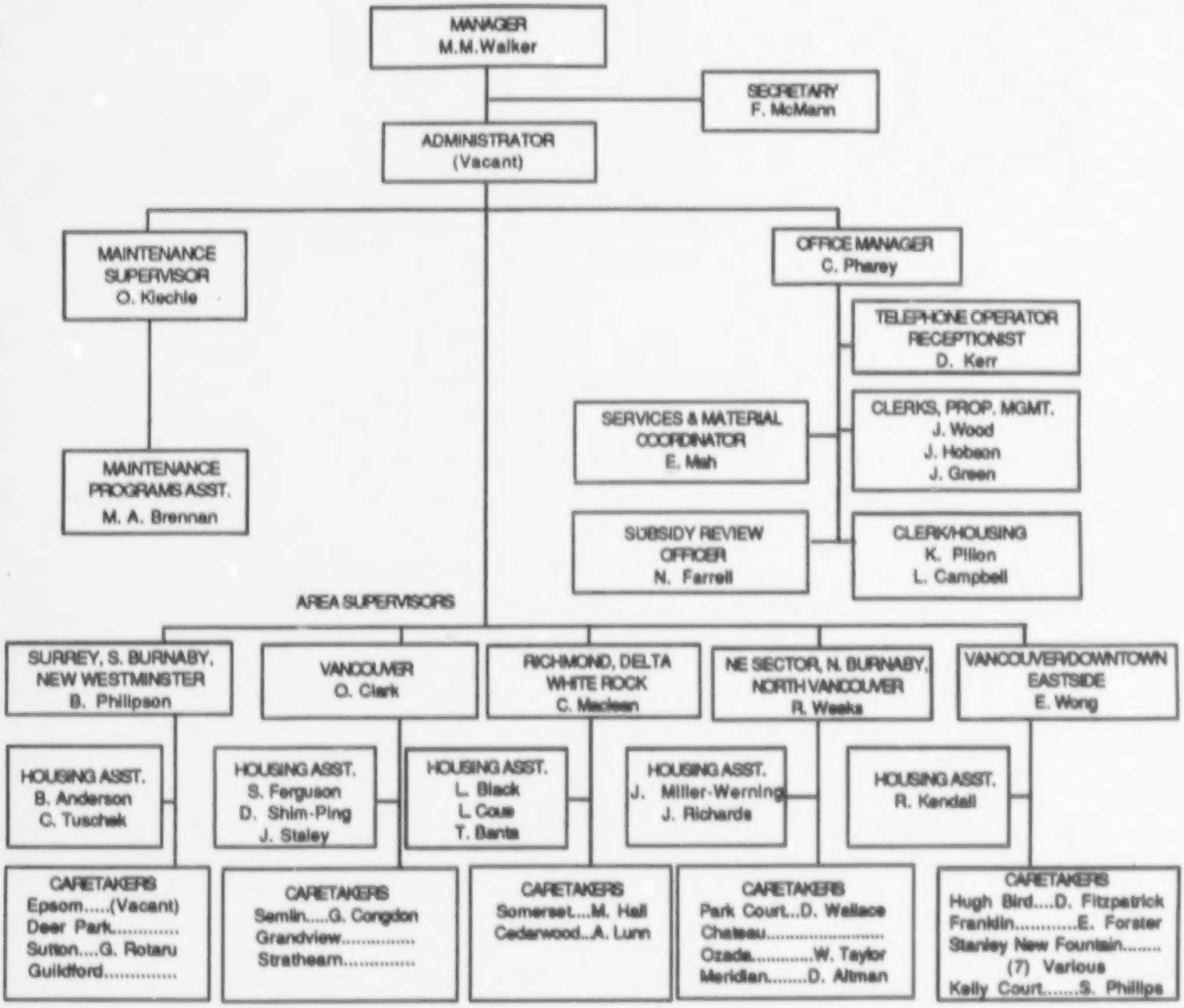
Greater Vancouver Housing Corp.

GREATER VANCOUVER HOUSING CORPORATION
HOUSING STOCK AS AT DECEMBER 31, 1990

MAP NO.	PROJECT NAME	ADDRESS	MUNICIPALITY	NO. OF UNITS	Town-Houses	Apts	Handi-Cap	Senior	Single Family	Furnish Suite
1	Meridian Village	3156 Coast Meridian Road	Port Coquitlam	202	130	47	5	20		
2	Minato West	4151 Regent Street	Richmond	110	80	28	2			
3	St. Andrews Place	95 St. Andrews Avenue	North Van City	15		15				
4	Semlin Terrace	100 Semlin Drive	Vancouver	36	36					
5	Grandview Gardens	2535 Grandview Highway	Vancouver	20	20					
6	Euclid Square	3485 Foster Avenue	Vancouver	33	17	12	4			
7	Earle Adams Village	7550 Northumberland Ave	Vancouver	105	98		7			
8	Kelly Court	2929 Nootka Street	Vancouver	45			45			
9	Part Court	100 Nelson Street	Coquitlam	30		30				
10	Le Chateau Place	312 Schoolhouse Street	Coquitlam	24		24				
11	Habitat Villa	West 2nd Ave & Wallace	Vancouver	36	28	4	4			
12	Stanley New Fountain	36 Blood Alley Square	Vancouver	103						103
13	Guildford Glen	14860-101A Avenue	Surrey	79	42	29	8			
14	Kingston Gardens I, II, III	15385 - 99th Avenue	Surrey	144	144					
	Kingston Gardens IV	15385 - 99th Avenue	Surrey	48	48					
15	Hugh Bird Residence	420 E. Cordova Street	Vancouver	64						64
16	Franklin Residence	1721 Franklin Street	Vancouver	32			5			27
17	Tivoli Gardens	3501 Naples Way	Vancouver	151	139		12			
18	Adelaide Court	10771 Auburn Drive	Richmond	68	62		6			
19	Somerset Gardens	1821 Southmere Cres E.	White Rock	166		160	6			
20	Epsom Downs	#38-13699-76th Ave	Surrey	108	108					
21	Sutton Place	13834-102nd Avenue	Surrey	83	83					
22	River Place	2466 Gately Avenue	Port Coquitlam	111	110		1			
23	Ozada Village	1205 Pipeline Road	Coquitlam	61		61				
24	Deer Park Lane	6717-131st Avenue	Surrey	31					31	
25	Evergreen Downs	4600 Evergreen Lane	Delta	38		38				
26	Malaspina Village	1144 Inlet Drive	Coquitlam	67	67					
27	London Square	1206A London Street	New West	48	48					
28	Ashdown Gardens	590 S.W. Marine Drive	Vancouver	30	30					
29	Lynden Court	5500-488 Avenue	Delta	51	51					
30	Maple Vine Court	7500 Francis Road	Richmond	82	24	58				
31	Moray Place	125 Moray Place	Port Moody	52	52					
32	Knightbridge I	12551 Cambie Road	Richmond	80	80					
	Knightbridge II	12551 Cambie Road	Richmond	80	78		2			
33	Heather Place	#1-774 West 13th Ave	Vancouver	86	81		5			
34	Ran Beamish Place	6750 Maple Grove Cres	Burnaby	122	122					
35	Eastburn Square	7730 Sixth Street	Burnaby	30	30					
36	Greystone Village	7485 Woodbrook Place	Burnaby	96	96					
37	Strathearn Court	1873 Spyglass Place	Vancouver	96	15	79	2			
38	Moffat Park	7660 Moffatt Road	Richmond	21	21					
39	McBride Place	431 Ginger Drive	New West	94	94					
40	Walnut Gardens	601 West Keith Road	North Van City	26	26					
41	Hemlock Court	1411 East 17th Avenue	Vancouver	21	21					
42	Pinewood Place	850 West 17th Street	North Van City	50	50					
43	Single Family Homes	Various	Sur, Del, Coq	8					8	
44	Cedarwood Place	7260 Granville Avenue	Richmond	73				73		
				3156	2131	585	114	93	39	194

GREATER VANCOUVER HOUSING CORPORATION
1991 ORGANIZATIONAL CHART


MANAGER
M.M.Walker
SECRETARY
F. McMann
ADMINISTRATOR
(Vacant)
MAINTENANCE SUPERVISOR
O. Kiechle
MAINTENANCE PROGRAMS ASST.
M. A. Brennan
OFFICE MANAGER
C. Pharey
TELEPHONE OPERATOR RECEPTIONIST
D. Kerr
SERVICES & MATERIAL COORDINATOR
E. Mah
CLERKS, PROP. MGMT.
J. Wood
J. Hobson
J. Green
SUBSIDY REVIEW OFFICER
N. Farrell
CLERK/HOUSING
K. Pilion
L. Campbell
AREA SUPERVISORS
SURREY, S. BURNABY, NEW WESTMINSTER
B. Philipson
VANCOUVER
O. Clark
RICHMOND, DELTA WHITE ROCK
C. Maclean
NE SECTOR, N. BURNABY, NORTH VANCOUVER
R. Weeks
VANCOUVER/DOWNTOWN EASTSIDE
E. Wong
HOUSING ASST.
B. Anderson
C. Tuschek
HOUSING ASST.
S. Ferguson
D. Shim-Ping
J. Staley
HOUSING ASST.
L. Black
L. Coue
T. Banta
HOUSING ASST.
J. Miller-Werning
J. Richards
HOUSING ASST.
R. Kendall
CARETAKERS
Epsom.....(Vacant)
Deer Park............
Sutton....G. Rotaru
Guildford..............
CARETAKERS
Semlin.....G. Congdon
Grandview..............
Strathearn..............
CARETAKERS
Somerset....M. Hall
Cederwood...A. Lunn
CARETAKERS
Park Court...D. Wallace
Chateau........................
Ozada............W. Taylor
Meridien........D. Altman
CARETAKERS
Hugh Bird....D. Fitzpatrick
Franklin............E. Forster
Stanley New Fountain.......
(7) Various
Kelly Court.......S. Phillips

Actual Dec. 31, 1990		Approved Dec. 31, 1990	1991 Changes	Total
2	Management	2	-	2
0	Design & Construction	1	- 1	0
11	Administration & Pty Manage.	11	+ 1	12
5	Area Supervisors	5	-	5
10	Housing Assistants	11	-	11
11	Caretakers	12	- 1	11
	Downtown Eastside			
7	Support Staff	7		7
46	Totals	49	- 1	48

Schedule 1

GREATER VANCOUVER HOUSING CORPORATION

Summary of Non-Rental Operations
Revenue & Expenditure Budget Summary
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Final Budget
Revenue			
Interest on Capital Reserve Fund	$299,363	$313,790	$356,522
Other Interest	421,600	338,035	202,879
	$720,963	$651,825	$559,401
Expenditure			
Property Management (net) (Schedule 6)	$ 8,347	$ 31,929	$253,131
Property Development Administration (net) (Schedule 7)	91,760	45,486	0
Corporate Administration			
- Central Administrative Services Allocated	9,000	11,000	11,000
- Corporate Services Allocated	6,000	5,383	6,960
- Administrative Offices Allocated	64,050	68,637	64,050
Contribution to Rental Operations re project deficits	159,603	197,065	133,304
	$338,760	$359,500	$468,445
Net Surplus contributed to Capital Reserve Fund	$382,203	$292,325	$ 90,956

GREATER VANCOUVER HOUSING CORPORATION

Schedule 2

Summary of Net Income/(Deficit) before Adjustments

Page Number		1990 Final Budget[1]	1990 Actual	1991 Final Budget
Section 15 Projects				
21	Earle Adams Village	$ 105,394	$ 107,478	$ 70,607
24	Euclid Square	33,997	30,845	27,192
27	Grandview Gardens	8,840	1,931	4,648
34	Kelly Court	(2,188)	(12,571)	(28,562)
44	Meridian Village	(132,062)	(180,181)	(85,214)
45	Minato West	96,305	98,655	142,217
53	St. Andrew's Place	(25,353)	(4,313)	(19,528)
54	Semlin Terrace	16,807	40,702	27,758
		101,740	82,546	139,118
Section 56.1 Projects				
16	Adelaide Court	17,652	23,636	38,954
17	Ashdown Gardens	10,699	2,264	3,798
19	Chateau Place	14,723	3,235	(10,847)
20	Deer Park Lane	(25,207)	(11,304)	(14,111)
22	Eastburn Square	3,032	4,548	3,806
23	Epsom Downs	(35,236)	(4,766)	(2,245)
25	Evergreen Downs	2,023	(2,602)	917
26	Franklin House	(23,042)	(17,124)	(29,194)
28	Greystone Village	10,134	15,137	22,787
29	Guildford Glen	30,324	9,948	(5,965)
30	Habitat Villa	17,174	30,361	37,079
31	Heather Place	8,082	7,815	24,533
32	Hemlock Court	(3,719)	3,035	3,096
33	Hugh Bird Residence	41,329	4,206	4,054
35	Kingston Gardens	5,545	12,377	14,739
36	Kingston IV	(43,502)	(34,558)	(31,959)
37	Knightsbridge I	10,372	16,069	25,751
38	Knightsbridge II	15,581	20,913	33,198
39	London Square	15,632	3,304	670
40	Lynden Court	10,285	4,986	7,329
41	Malaspina	3,412	4,582	4,742
42	Maple Vine	33,457	7,768	10,682
43	McBride Park	7,413	9,619	17,480
46	Moffatt Park	23,547	2,618	5,961
47	Moray Place	16,530	5,280	4,849
48	Ozada Village	(18,761)	(15,512)	(82,640)
49	Park Court	15,709	4,474	2,753
50	Pinewood Place	7,137	10,830	16,865
51	Ran Beamish	17,591	21,680	34,861
52	River Place	(108,792)	(131,902)	(109,424)
55	Single Family Residential	5,434	3,164	1,874
56	Somerset Gardens	6,606	6,022	21,604
57	Stanley/New Fountain	(117,482)	(59,899)	(160,353)
58	Strathearn Court	12,905	17,096	35,385
59	Sutton Place	(45,894)	(21,075)	(3,465)
60	Tivoli Gardens	28,049	37,814	64,605
61	Walnut Gardens	31,258	5,962	7,833
Total Section 56.1 Portfolio		0	0	0
Senior Projects				
	Cedarwood Place	0	0	0
Total Operating Deficit before adjustments		$101,740	$ 82,546	$ 139,118

(1) Restated

Schedule 3

GREATER VANCOUVER HOUSING CORPORATION
1991 Budget
Rental Operations
Summary by Object of Expenditure

	1990 Final Budget[1]	1990 Actual	1991 Final Budget
REVENUE			
Rents (Residential & Commercial)	$20,567,997	$20,652,812	$21,851,800
Joint Federal/Provincial Rental Assistance	553,068	455,790	549,648
Miscellaneous Income	260,000	296,739	258,500
TOTAL REVENUE	$21,381,065	$21,405,341	$22,659,948
EXPENDITURE			
Variable Costs			
Advertising	$ 16,288	$ 14,192	$ 19,018
Gardening	379,230	448,956	442,784
Security	29,463	58,620	47,625
Garbage Removal	250,836	258,856	294,910
Other services & supplies	228,394	205,954	214,238
Repairs & Maintenance	736,785	993,121	917,484
Decorating & Cleaning	641,700	718,697	710,257
Utilities	815,427	791,545	864,419
Site Management	1,360,432	1,399,606	1,484,085
Provision for Doubtful Accounts	83,026	32,425	73,022
Total Variable Costs	4,541,581	4,921,971	5,067,842
Fixed Costs			
Insurance	211,400	210,738	220,800
Property Taxes & Sewer Rates	2,302,300	2,190,013	2,291,810
Management Fee	1,121,801	1,121,801	1,189,571
Provision for Replacement Reserve	1,597,519	1,597,519	1,597,519
Land Rental	46,350	46,350	46,350
Total Fixed Costs	5,279,370	5,166,421	5,346,050
Total Operating Costs	9,820,951	10,088,391	10,413,892
Debt Charges	22,049,774	22,580,743	22,296,629
Federal Mortgage Assistance	(11,296,400)	(11,818,078)	(11,391,391)
Net Debt Charges	10,753,374	10,762,665	10,905,238
Extraordinary Items			
Minor Capital Improvements	3,000	86,013	135,200
Other	702,000	385,726	1,066,500
	705,000	471,739	1,201,700
TOTAL EXPENDITURE	$21,279,325	$21,322,795	$22,520,830
Net Income/(Deficit) before adjustments	$ 101,740	$ 82,546	$ 139,118
ADJUSTMENTS			
Transfer from non-rental ops.	$ 159,603	$ 197,065	$ 133,204
Transfer to replacement rev.	(261,343)	(279,611)	(272,422)
	$0	$0	$0

(1) Restated

Schedule 4

GREATER VANCOUVER HOUSING CORPORATION

Rental Operations
Section 15 Projects
1991 Final Budget
Summary By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Final Budget
Revenue			
Rents	$3,437,071	$3,467,425	$3,664,940
Joint Federal/Provincial Rental Assistance	185,440	143,250	185,440
Miscellaneous Income	42,700	48,834	42,700
Total Revenue	$3,665,211	$3,659,509	$3,893,080
Expenditure			
Variable Costs			
Advertising	$ 1,788	$ 909	$ 2,038
Gardening	83,350	97,408	95,996
Security	8,973	9,710	9,242
Garbage Removal	51,500	50,222	58,080
Other Services & Supplies	25,105	36,232	33,806
Repairs & Maintenance	167,040	251,172	209,808
Decorating & Cleaning	120,450	127,233	131,548
Utilities	171,019	175,703	185,923
Site Management	207,900	216,174	227,100
Provision for Doubtful Accounts	3,927	10,182	6,427
Total Variable Costs	841,052	974,945	959,968
Fixed Costs			
Insurance	32,800	31,854	33,800
Property Taxes & Sewer Rates	338,380	343,407	357,980
Management Fee	202,402	202,402	214,627
Provision for Replacement Reserve	189,856	189,856	189,856
Total Fixed Costs	763,438	767,519	796,263
Total Operating Costs	1,604,490	1,742,464	1,756,231
Debt Charges	1,671,931	1,671,931	1,671,931
Extraordinary Items			
Minor Capital Improvements	0	14,837	6,000
Other	287,050	147,731	319,800
	287,050	162,568	325,800
Total Expenditure	$3,563,471	$3,576,963	$3,753,962
Net Income/(Deficit)	$ 101,740	$ 82,546	$ 139,118
ADJUSTMENTS			
Transfer from non-rental ops.	$ 159,603	$ 197,065	$ 133,304
Transfer to replacement revenue	(261,343)	(279,611)	(272,422)
	$0	$0	$0

GREATER VANCOUVER HOUSING CORPORATION

Schedule 5

Rental Operations
Section 56.1 Projects
1991 Final Budget
Summary By Object of Expenditure

	1990 Final Budget	1990 Actual	1991 Final Budget
Revenue			
Rents	$16,907,364	$16,930,272	$17,957,756
Joint Federal/Provincial Rental Assistance	66,704	56,364	66,704
Miscellaneous Income	209,540	242,145	209,540
Total Revenue	$17,183,608	$17,228,781	$18,234,000
Expenditure			
Variable Costs			
Advertising	$ 14,500	$ 13,283	$ 16,980
Gardening	295,565	351,013	345,758
Security	20,490	48,910	38,383
Garbage Removal	196,836	206,537	234,080
Other Services & Supplies	197,930	165,189	175,352
Repairs & Maintenance	564,844	735,022	701,841
Decorating & Cleaning	517,350	588,103	573,722
Utilities	608,679	578,487	638,119
Site Management	1,124,653	1,155,383	1,227,196
Provision for Doubtful Accounts	79,099	22,240	66,594
Total Variable Costs	3,619,946	3,864,167	4,018,025
Fixed Costs			
Insurance	175,100	175,941	183,500
Property Taxes & Sewer Rates	1,939,850	1,819,074	1,904,180
Management Fee	900,083	900,083	954,446
Provision for Replacement Reserve	1,379,827	1,379,827	1,379,827
Total Fixed Costs	4,394,860	4,274,925	4,421,953
Total Operating Costs	8,014,806	8,139,092	8,439,978
Debt Charges	20,065,658	20,596,627	20,312,513
Less: Federal Mortgage Assistance	(11,314,806)	(11,818,078)	(11,391,391)
Net Debt Charges	8,750,852	8,778,549	8,921,122
Extraordinary Items			
Minor Capital Improvements	3,000	73,395	126,200
Other	414,950	237,745	746,700
	417,950	311,140	872,900
Total Expenditure	$17,183,608	$17,228,781	$18,234,000
Net Income/(Deficit)	$0	$0	$0

Schedule 6

GREATER VANCOUVER HOUSING CORPORATION

Property Management
Revenue & Expenditure Budget Summary
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Final Budget
Salaries & Employee benefits	$ 412,036	$ 406,075	$ 541,503
Board vehicles	2,910	2,653	2,900
Travel	7,500	306	7,500
Consultants	26,000	7,371	10,000
Other services & supplies	48,350	56,930	53,950
Central Administrative Services allocated	461,903	481,189	505,730
Indirect departmental costs allocated	139,280	170,427	279,200
Corporate Services allocated	32,160	28,779	41,920
Total Expenditure	1,130,139	1,153,730	1,442,703
Recoverable from management fee charged to rental operations	(1,121,792)	(1,121,801)	(1,189,572)
Net amount transferred to non-rental operations	$ 8,347	$ 31,929	$ 167,131
Number of rental units under management at January 1	3,156	3,156	3,156

Schedule 7

GREATER VANCOUVER HOUSING CORPORATION

Property Development Administration
Revenue & Expenditure Budget Summary
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Final Budget
Salaries & employee benefits	$66,550	$30,299	$0
Board vehicles & mileage	1,460	2,610	0
Materials, supplies & other services	550	329	0
Indirect departmental costs allocated	23,200	12,248	0
Total Expenditure	91,760	45,486	0
Recoverable from capital projects	0	0	0
Net amount transferred to Non-Rental Operations	$91,760	$45,486	$0

NOTE:

Costs of property development administration are charged to a separate account to which is credited the Corporation's fees charged to capital projects.

Schedule 8

GREATER VANCOUVER HOUSING CORPORATION

Indirect Departmental Costs
Revenue & Expenditure Budget Summary
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Final Budget
Corporate Services allocated	$ 6,470	$ 5,883	$ 7,500
Office expenses			
Postage	3,120	2,043	3,100
Telephone	14,570	16,731	16,100
Equipment replacement & maintenance	11,440	8,764	11,200
Computer operating costs allocated	17,031	17,031	94,000
Duplicating	6,240	10,870	12,000
Supplies & services	20,557	20,694	24,000
Office Building rental	100,372	111,241	128,800
	179,800	193,257	296,700
Less:			
Allocated as an override on salaries & wages to property management & property development administration	(179,800)	(193,257)	(296,700)
	$ 0	$ 0	$ 0

Schedule 9

GREATER VANCOUVER HOUSING CORPORATION

Site Management
Revenue & Expenditure Budget Summary
Year Ending December 31, 1991

	1990 Final Budget	1990 Actual	1991 Final Budget
Labour & employee benefits	$ 984,762	$ 981,903	$1,060,878
Board vehicles & mileage	64,800	73,502	75,050
Telephone	40,100	42,631	45,290
Other services	17,355	43,879	27,432
Provision for equipment replacement	3,848	11,575	7,750
	1,110,865	1,153,490	1,216,400
Less: Costs allocated to projects	(1,110,865)	(1,153,490)	(1,216,400)
	$ NIL	$ NIL	$ NIL

Maintenance Supervision

	1990 Final Budget	1990 Actual	1991 Final Budget
Salary & employee benefits	$ 64,600	$ 75,279	$ 119,900
Board vehicles	5,000	5,824	11,200
Other services	500	12,950	3,800
	70,100	94,053	134,900
Less: Maintenance supervision allocated to projects	(70,100)	(94,053)	(134,900)
	$ NIL	$ NIL	$ NIL

NOTE: The direct costs of the area staff, most site staff and the maintenance supervisor are charged to separate accounts and allocated to projects based on the number of units in the projects.

GREATER VANCOUVER HOUSING CORPORATION

1991 Project Budgets

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Earle Adams Village	21
Eastburn Square	22
Epsom Downs	23
Euclid Square	24
Evergreen Downs	25
Franklin Street Residence	26
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GREATER VANCOUVER HOUSING CORPORATION

Adelaide Court - 68 Units
10771 Auburn Drive
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$540,899	$530,198	$575,180
Miscellaneous Income	5,760	6,760	5,760
TOTAL REVENUE	$546,659	$536,958	$580,940
EXPENDITURE			
VARIABLE COSTS			
Advertising	$800	$1,423	$800
Landscape Maintenance	12,000	12,008	12,360
Security		66	
Garbage Removal	4,800	5,308	6,050
Other Supplies & Services	5,915	6,324	5,738
Repairs & Maintenance	14,865	11,745	16,701
Decorating & Cleaning	13,350	15,717	14,781
Utilities	9,643	10,445	11,006
Site Management	22,900	24,868	25,400
Provision for Doubtful Accounts	783	380	734
TOTAL VARIABLE COSTS	85,056	88,284	93,570
FIXED COSTS			
Insurance	4,300	4,415	4,500
Property Taxes & Sewer Rates	43,580	46,669	50,220
Management Fee	24,317	24,317	25,786
Provision for Replacement Reserve	39,504	39,504	39,504
TOTAL FIXED COSTS	111,701	114,905	120,010
TOTAL OPERATING COSTS	196,757	203,189	213,580
Debt Charges	513,312	513,312	513,312
Less: Federal Mortgage Assistance	(184,062)	(218,289)	(191,406)
NET DEBT CHARGES	329,250	295,023	321,906
EXTRAORDINARY ITEMS			
Minor Capital Improvements		1,978	1,000
Major Repairs		8,617	
Other	3,000	4,515	5,500
	3,000	15,110	6,500
TOTAL EXPENDITURES	$529,007	$513,322	$541,986
NET INCOME/(DEFICIT)	$17,652	$23,636	$38,954

GREATER VANCOUVER HOUSING CORPORATION

Ashdown Gardens - 30 Units
590 S.W. Marine Drive
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$193,601	$194,515	$206,184
Miscellaneous Income	2,880	3,432	2,880
TOTAL REVENUE	$196,481	$197,947	$209,064
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$103	$500
Landscape Maintenance	4,230	3,490	3,605
Security		150	
Garbage Removal	1,500	1,349	1,650
Other Supplies & Services	1,325	1,632	2,089
Repairs & Maintenance	7,365	7,610	8,444
Decorating & Cleaning	6,700	4,049	7,010
Utilities	6,440	6,693	7,188
Site Management	11,500	11,908	12,600
Provision for Doubtful Accounts			212
TOTAL VARIABLE COSTS	39,560	36,984	43,298
FIXED COSTS			
Insurance	1,500	1,407	1,600
Property Taxes & Sewer Rates	16,780	16,272	17,490
Management Fee	10,728	10,728	11,376
Provision for Replacement Reserve	17,092	17,092	17,092
TOTAL FIXED COSTS	46,100	45,499	47,558
TOTAL OPERATING COSTS	85,660	82,483	90,856
Debt Charges	278,277	278,277	278,277
Less: Federal Mortgage Assistance	(178,155)	(166,692)	(163,867)
NET DEBT CHARGES	100,122	111,585	114,410
EXTRAORDINARY ITEMS			
Other		1,615	
		1,615	
TOTAL EXPENDITURES	$185,782	$195,683	$205,266
NET INCOME/(DEFICIT)	$10,699	$2,264	$3,798

GREATER VANCOUVER HOUSING CORPORATION

Cedarwood Place - 73 Units
7260 Granville Avenue
Richmond, B.C.

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$223,562	$255,115	$229,104
Joint Federal/Provincial Rental Assistance	$282,518	$256,176	$297,504
Miscellaneous Income	7,760	5,760	6,260
TOTAL REVENUE	$513,840	$517,051	$532,868
EXPENDITURE			
VARIABLE COSTS			
Landscape Maintenance	$315	$535	$1,030
Garbage Removal	2,500	2,096	2,750
Other Supplies & Services	5,350	4,532	5,080
Repairs & Maintenance	4,910	6,927	5,835
Decorating & Cleaning	3,900	3,361	4,987
Utilities	35,729	37,355	40,378
Site Management	27,879	28,049	29,789
Provision for Doubtful Accounts	0	3	0
TOTAL VARIABLE COSTS	80,583	82,858	89,849
FIXED COSTS			
Insurance	3,500	2,943	3,500
Property Taxes & Sewer Rates	24,070	27,532	29,650
Management Fee	19,316	19,316	20,498
Provision for Replacement Reserve	27,836	27,836	27,836
Land & Building Rental	46,350	46,350	46,350
TOTAL FIXED COSTS	121,072	123,977	127,834
TOTAL OPERATING COSTS	201,655	206,835	217,683
DEBT CHARGES	312,185	312,185	312,185
EXTRAORDINARY ITEMS			
Minor Capital Improvements		(2,219)	3,000
Other	0	250	
	0	(1,969)	3,000
TOTAL EXPENDITURES	$513,840	$517,051	$532,868
NET INCOME/(DEFICIT)	$0	$0	$0

GREATER VANCOUVER HOUSING CORPORATION

Chateau Place - 24 Units
312 Schoolhouse Street
Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$133,355	$133,690	$141,883
Miscellaneous Income	4,320	4,780	4,320
TOTAL REVENUE	$137,675	$138,470	$146,203
EXPENDITURE			
VARIABLE COSTS			
Advertising	$315		$315
Landscape Maintenance	3,384	3,084	3,486
Security	105	88	108
Garbage Removal	1,300	1,357	1,430
Other Supplies & Services	7,155	1,695	3,974
Repairs & Maintenance	18,410	16,153	14,804
Decorating & Cleaning	4,800	10,978	5,771
Utilities	21,166	20,899	20,866
Site Management	7,700	8,487	8,300
Provision for Doubtful Accounts	1,097	631	1,385
TOTAL VARIABLE COSTS	65,432	63,372	60,439
FIXED COSTS			
Insurance	1,300	1,279	1,400
Property Taxes & Sewer Rates	14,790	13,337	14,120
Management Fee	8,582	8,582	9,101
Provision for Replacement Reserve	5,117	5,117	5,117
TOTAL FIXED COSTS	29,789	28,315	29,738
TOTAL OPERATING COSTS	95,221	91,687	90,177
Debt Charges	75,277	76,749	68,996
Less: Federal Mortgage Assistance	(47,546)	(34,066)	(44,121)
NET DEBT CHARGES	27,731	42,683	24,875
EXTRAORDINARY ITEMS			
Minor Capital Improvements		750	
Other		115	42,000
		865	42,000
TOTAL EXPENDITURES	$122,952	$135,235	$157,052
NET INCOME/(DEFICIT)	$14,723	$3,235	($10,849)

GREATER VANCOUVER HOUSING CORPORATION

Deer Park Lane - 31 Units
6717 - 131st Street
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$227,951	$232,348	$244,104
Miscellaneous Income		49	
TOTAL REVENUE	$227,951	$232,397	$244,104
EXPENDITURE			
VARIABLE COSTS			
Advertising	$250	$94	$250
Landscape Maintenance	12,000	14,694	15,450
Garbage Removal	2,800		
Other Supplies & Services	2,815	46	1,893
Repairs & Maintenance	6,500	10,810	7,330
Decorating & Cleaning	4,300	2,695	4,481
Utilities	2,867	2,703	2,893
Site Management	10,900	11,196	12,000
Provision for Doubtful Accounts	780		642
TOTAL VARIABLE COSTS	43,212	42,238	44,939
FIXED COSTS			
Insurance	1,900	1,910	2,000
Property Taxes & Sewer Rates	48,690	42,603	44,860
Management Fee	11,086	11,086	11,755
Provision for Replacement Reserve	19,373	19,373	19,373
TOTAL FIXED COSTS	81,049	74,972	77,988
TOTAL OPERATING COSTS	124,261	117,210	122,927
Debt Charges	325,594	362,638	328,776
Less: Federal Mortgage Assistance	(207,697)	(247,454)	(213,488)
NET DEBT CHARGES	117,897	115,184	115,288
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,679	3,000
Other	11,000	8,627	17,000
	11,000	11,306	20,000
TOTAL EXPENDITURES	$253,158	$243,700	$258,215
NET INCOME/(DEFICIT)	($25,207)	($11,303)	($14,111)

GREATER VANCOUVER HOUSING CORPORATION

Earle Adams Village - 105 Units
7550 Northumberland Avenue
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$726,476	$723,225	$778,494
Joint Federal/Provincial Rental Assistance	$7,300	$6,804	$7,300
Miscellaneous Income	5,760	6,283	5,760
TOTAL REVENUE	$739,536	$736,312	$791,554
EXPENDITURE			
VARIABLE COSTS			
Advertising	$210		$210
Landscape Maintenance	15,000	17,449	15,450
Garbage Removal	15,000	14,179	16,500
Other Supplies & Services	1,680	6,873	5,780
Repairs & Maintenance	26,920	29,755	28,463
Decorating & Cleaning	16,300	16,831	18,131
Utilities	18,420	17,729	18,900
Site Management	40,100	41,641	44,000
Provision for Doubtful Accounts	251	(30)	25
TOTAL VARIABLE COSTS	133,881	144,427	147,459
FIXED COSTS			
Insurance	6,100	5,930	6,300
Property Taxes & Sewer Rates	70,660	68,529	71,820
Management Fee	37,548	37,548	39,816
Provision for Replacement Reserve	33,358	33,358	33,358
TOTAL FIXED COSTS	147,666	145,365	151,294
TOTAL OPERATING COSTS	281,547	289,792	298,753
DEBT CHARGES	325,595	325,595	325,595
EXTRAORDINARY ITEMS			
Minor Capital Improvements		228	
Other	27,000	13,219	96,600
	27,000	13,447	96,600
TOTAL EXPENDITURES	$634,142	$628,834	$720,948
NET INCOME/(DEFICIT)	$105,394	$107,478	$70,606

GREATER VANCOUVER HOUSING CORPORATION

Eastburn Square - 30 Units
7730 - 6th Street
Burnaby

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$218,134	$217,843	$234,141
Miscellaneous Income	1,440	1,784	1,440
TOTAL REVENUE	$219,574	$219,627	$235,581
EXPENDITURE			
VARIABLE COSTS			
Advertising	$200		$200
Landscape Maintenance	5,000	4,261	5,150
Security	210	1,338	1,030
Garbage Removal	2,700	2,651	2,970
Other Supplies & Services	4,625	2,831	3,405
Repairs & Maintenance	7,880	7,110	9,491
Decorating & Cleaning	10,100	12,888	13,005
Utilities	5,018	4,179	5,521
Site Management	10,600	10,814	11,600
Provision for Doubtful Accounts		670	1,027
TOTAL VARIABLE COSTS	46,333	46,742	53,399
FIXED COSTS			
Insurance	1,700	1,711	1,800
Property Taxes & Sewer Rates	25,740	22,745	23,340
Management Fee	10,728	10,728	11,376
Provision for Replacement Reserve	17,244	17,244	17,244
TOTAL FIXED COSTS	55,412	52,428	53,760
TOTAL OPERATING COSTS	101,745	99,170	107,159
Debt Charges	256,924	256,924	256,924
Less: Federal Mortgage Assistance	(165,127)	(142,099)	(150,808)
NET DEBT CHARGES	91,797	114,825	106,116
EXTRAORDINARY ITEMS			
Minor Capital Improvements		493	3,500
Other	23,000	591	15,000
	23,000	1,084	18,500
TOTAL EXPENDITURES	$216,542	$215,079	$231,775
NET INCOME/(DEFICIT)	$3,032	$4,548	$3,806

GREATER VANCOUVER HOUSING CORPORATION

Epsom Downs - 108 Units
13699 - 76th Avenue
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$743,177	$752,040	$791,500
Miscellaneous Income	4,320	5,120	4,320
TOTAL REVENUE	$747,497	$757,160	$795,820
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500		$500
Landscape Maintenance	12,000	23,479	24,720
Security	200	172	206
Garbage Removal	13,500	12,983	14,850
Other Supplies & Services	6,955	2,350	4,225
Repairs & Maintenance	14,380	30,047	20,363
Decorating & Cleaning	12,200	22,834	13,952
Utilities	15,259	14,441	15,394
Site Management	38,000	38,896	41,800
Provision for Doubtful Accounts	3,131	1,589	3,194
TOTAL VARIABLE COSTS	116,125	146,791	139,204
FIXED COSTS			
Insurance	7,600	8,029	7,900
Property Taxes & Sewer Rates	105,090	89,024	90,720
Management Fee	38,621	38,621	40,954
Provision for Replacement Reserve	82,384	82,384	82,384
TOTAL FIXED COSTS	233,695	218,058	221,958
TOTAL OPERATING COSTS	349,820	364,849	361,162
Debt Charges	1,091,922	1,227,492	1,185,565
Less: Federal Mortgage Assistance	(692,009)	(838,489)	(801,661)
NET DEBT CHARGES	399,913	389,003	383,904
EXTRAORDINARY ITEMS			
Minor Capital Improvements		3,622	9,000
Other	33,000	4,452	44,000
	33,000	8,074	53,000
TOTAL EXPENDITURES	$782,733	$761,926	$798,066
NET INCOME/(DEFICIT)	($35,236)	($4,766)	($2,246)

GREATER VANCOUVER HOUSING CORPORATION

Euclid Square - 33 Units
3485 Foster Avenue
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$212,035	$207,116	$226,944
Joint Federal/Provincial Rental Assistance	$8,500	$6,808	$8,500
Miscellaneous Income	4,320	4,660	4,320
TOTAL REVENUE	$224,855	$218,584	$239,764
EXPENDITURE			
VARIABLE COSTS			
Landscape Maintenance	$4,200	$5,919	$6,180
Garbage Removal	3,000	2,699	3,300
Other Supplies & Services	945	3,245	2,699
Repairs & Maintenance	8,830	9,340	10,766
Decorating & Cleaning	6,400	6,020	7,919
Utilities	6,520	6,486	7,293
Site Management	12,600	13,077	13,800
Provision for Doubtful Accounts	122	(319)	
TOTAL VARIABLE COSTS	42,617	46,467	51,957
FIXED COSTS			
Insurance	1,900	1,786	1,900
Property Taxes & Sewer Rates	19,630	19,035	20,390
Management Fee	11,801	11,801	12,514
Provision for Replacement Reserve	10,267	10,267	10,267
TOTAL FIXED COSTS	43,598	42,889	45,071
TOTAL OPERATING COSTS	86,215	89,356	97,028
DEBT CHARGES	95,643	95,643	95,643
EXTRAORDINARY ITEMS			
Minor Capital Improvements			6,000
Other	9,000	2,740	13,900
	9,000	2,740	19,900
TOTAL EXPENDITURES	$190,858	$187,739	$212,571
NET INCOME/(DEFICIT)	$33,997	$30,845	$27,193

GREATER VANCOUVER HOUSING CORPORATION

Evergreen Downs - 38 Units
4600 Evergreen Lane
Delta

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$238,035	$239,308	$251,934
Miscellaneous Income	4,320	5,570	4,320
TOTAL REVENUE	$242,355	$244,878	$256,254
EXPENDITURE			
VARIABLE COSTS			
Advertising	$200	$2,367	$2,000
Landscape Maintenance	5,000	5,405	5,150
Security	105		108
Garbage Removal	2,500	2,654	3,080
Other Supplies & Services	2,625	3,481	2,930
Repairs & Maintenance	10,445	11,591	12,376
Decorating & Cleaning	9,750	14,431	15,256
Utilities	13,150	12,407	12,544
Site Management	12,800	13,897	14,200
Provision for Doubtful Accounts		1,300	48
TOTAL VARIABLE COSTS	56,575	67,533	67,692
FIXED COSTS			
Insurance	2,700	2,791	2,700
Property Taxes & Sewer Rates	25,570	24,718	26,690
Management Fee	13,589	13,589	14,410
Provision for Replacement Reserve	21,154	21,154	21,154
TOTAL FIXED COSTS	63,013	62,252	64,954
TOTAL OPERATING COSTS	119,588	129,785	132,646
Debt Charges	310,478	310,478	310,478
Less: Federal Mortgage Assistance	(193,734)	(193,734)	(190,287)
NET DEBT CHARGES	116,744	116,744	120,191
EXTRAORDINARY ITEMS			
Minor Capital Improvements	1,000		
Other	3,000	950	2,500
	4,000	950	2,500
TOTAL EXPENDITURES	$240,332	$247,479	$255,337
NET INCOME/(DEFICIT)	$2,023	($2,601)	$917

GREATER VANCOUVER HOUSING CORPORATION

Franklin House - 32 Units
1721 Franklin Street
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$89,887	$107,665	$96,501
Joint Federal/Provincial Rental Assistance	$20,804	$17,640	$20,804
Miscellaneous Income	7,780	672	700
TOTAL REVENUE	$118,471	$125,977	$118,005
EXPENDITURE			
VARIABLE COSTS			
Advertising		$94	
Security	500		515
Garbage Removal	800	873	990
Other Supplies & Services	2,635	2,277	2,797
Repairs & Maintenance	7,470	9,773	7,766
Decorating & Cleaning	3,600	3,602	3,878
Utilities	15,950	18,497	16,782
Site Management	44,479	42,331	47,789
Provision for Doubtful Accounts	34		25
TOTAL VARIABLE COSTS	75,468	77,447	80,542
FIXED COSTS			
Insurance	1,300	1,048	1,400
Property Taxes & Sewer Rates	7,420	7,161	7,240
Management Fee	11,443	11,443	12,134
Provision for Replacement Reserve	9,565	9,565	9,565
TOTAL FIXED COSTS	29,728	29,217	30,339
TOTAL OPERATING COSTS	105,196	106,664	110,881
Debt Charges	112,020	112,020	112,020
Less: Federal Mortgage Assistance	(75,703)	(75,703)	(75,703)
NET DEBT CHARGES	36,317	36,317	36,317
EXTRAORDINARY ITEMS			
Minor Capital Improvements		121	
		121	
TOTAL EXPENDITURES	$141,513	$143,102	$147,198
NET INCOME/(DEFICIT)	($23,042)	($17,125)	($29,193)

GREATER VANCOUVER HOUSING CORPORATION

Grandview Gardens - 20 Units
2535 N. Grandview Highway
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$153,693	$152,775	$165,495
Miscellaneous Income		60	
TOTAL REVENUE	$153,693	$152,835	$165,495
EXPENDITURE			
VARIABLE COSTS			
Advertising	$105		$105
Landscape Maintenance	4,500	7,510	7,210
Garbage Removal	3,000	2,699	3,300
Other Supplies & Services	735	919	1,154
Repairs & Maintenance	6,940	12,627	9,211
Decorating & Cleaning	4,100	4,089	5,247
Utilities	3,720	2,861	3,180
Site Management	7,600	8,149	8,400
Provision for Doubtful Accounts	182	1,274	466
TOTAL VARIABLE COSTS	30,882	40,128	38,273
FIXED COSTS			
Insurance	1,200	1,173	1,200
Property Taxes & Sewer Rates	15,850	15,376	16,020
Management Fee	7,152	7,152	7,584
Provision for Replacement Reserve	7,916	7,916	7,916
TOTAL FIXED COSTS	32,118	31,617	32,720
TOTAL OPERATING COSTS	63,000	71,745	70,993
DEBT CHARGES	71,853	71,853	71,853
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,613	
Other	10,000	4,693	18,000
	10,000	7,306	18,000
TOTAL EXPENDITURES	$144,853	$150,904	$160,846
NET INCOME/(DEFICIT)	$8,840	$1,931	$4,649

GREATER VANCOUVER HOUSING CORPORATION

Greystone Village - 96 Units
7485 Woodbrook Place
Burnaby

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$740,271	$710,511	$794,334
Miscellaneous Income	12,240	13,460	12,240
TOTAL REVENUE	$752,511	$723,971	$806,574
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$1,373	$500
Landscape Maintenance	18,000	15,207	18,540
Security	1,200	172	1,236
Garbage Removal	12,000	11,882	14,080
Other Supplies & Services	3,890	4,916	3,998
Repairs & Maintenance	17,480	25,286	23,387
Decorating & Cleaning	20,600	29,689	21,263
Utilities	16,160	15,065	16,387
Site Management	33,000	33,916	35,800
Provision for Doubtful Accounts	1,155	818	1,169
TOTAL VARIABLE COSTS	123,985	138,324	136,360
FIXED COSTS			
Insurance	6,700	7,065	7,000
Property Taxes & Sewer Rates	81,670	59,447	74,960
Management Fee	34,330	34,330	36,403
Provision for Replacement Reserve	63,593	63,593	63,593
TOTAL FIXED COSTS	186,293	164,435	181,956
TOTAL OPERATING COSTS	310,278	302,759	318,316
Debt Charges	894,298	894,298	894,298
Less: Federal Mortgage Assistance	(483,199)	(494,917)	(485,827)
NET DEBT CHARGES	411,099	399,381	408,471
EXTRAORDINARY ITEMS			
Minor Capital Improvements	2,000	(105)	
Major Repairs		4,920	10,000
Other	19,000	1,879	47,000
	21,000	6,694	57,000
TOTAL EXPENDITURES	$742,377	$708,834	$783,787
NET INCOME/(DEFICIT)	$10,134	$15,137	$22,787

GREATER VANCOUVER HOUSING CORPORATION

Guildford Glen - 79 Units
14860 - 101A Avenue
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$428,988	$447,014	$455,131
Joint Federal/Provincial Rental Assistance	$45,900	$38,724	$45,900
Miscellaneous Income	10,080	11,160	10,080
TOTAL REVENUE	$484,968	$496,898	$511,111
EXPENDITURE			
VARIABLE COSTS			
Advertising	$200		$200
Landscape Maintenance	7,500	12,343	12,360
Security	105	172	108
Garbage Removal	6,000	6,636	6,600
Other Supplies & Services	10,615	6,738	5,191
Repairs & Maintenance	19,400	26,026	21,578
Decorating & Cleaning	12,700	10,453	13,099
Utilities	28,301	28,349	29,873
Site Management	27,800	28,501	30,500
Provision for Doubtful Accounts	1,085	(362)	746
TOTAL VARIABLE COSTS	113,706	118,856	120,255
FIXED COSTS			
Insurance	4,600	4,507	4,800
Property Taxes & Sewer Rates	67,280	56,116	59,090
Management Fee	28,250	28,250	29,957
Provision for Replacement Reserve	38,217	38,217	38,217
TOTAL FIXED COSTS	138,347	127,090	132,064
TOTAL OPERATING COSTS	252,053	245,946	252,319
Debt Charges	486,886	533,399	535,068
Less: Federal Mortgage Assistance	(304,295)	(306,887)	(365,311)
NET DEBT CHARGES	182,591	226,512	169,757
EXTRAORDINARY ITEMS			
Minor Capital Improvements		10,190	5,000
Other	20,000	4,302	90,000
	20,000	14,492	95,000
TOTAL EXPENDITURES	$454,644	$486,950	$517,076
NET INCOME/(DEFICIT)	$30,324	$9,948	($5,965)

GREATER VANCOUVER HOUSING CORPORATION

Habitat Villa - 36 Units
2nd Avenue & Wallace
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$331,106	$329,274	$353,450
Miscellaneous Income	4,320	4,700	4,320
TOTAL REVENUE	$335,426	$333,974	$357,770
EXPENDITURE			
VARIABLE COSTS			
Advertising		$106	
Landscape Maintenance	5,000	5,390	5,150
Garbage Removal	4,000	4,059	4,950
Other Supplies & Services	1,380	2,849	3,224
Repairs & Maintenance	7,750	12,628	13,085
Decorating & Cleaning	5,200	8,068	9,994
Utilities	6,480	6,828	6,985
Site Management	13,800	14,270	15,100
Provision for Doubtful Accounts		125	
TOTAL VARIABLE COSTS	43,610	54,323	58,488
FIXED COSTS			
Insurance	2,200	2,210	2,300
Property Taxes & Sewer Rates	30,080	29,177	32,390
Management Fee	12,874	12,874	13,651
Provision for Replacement Reserve	13,062	13,062	13,062
TOTAL FIXED COSTS	58,216	57,323	61,403
TOTAL OPERATING COSTS	101,826	111,646	119,891
Debt Charges	189,200	189,200	189,200
Less: Federal Mortgage Assistance	27,226	5,148	
NET DEBT CHARGES	216,426	194,348	189,200
EXTRAORDINARY ITEMS			
Other		2,767	11,600
		2,767	11,600
TOTAL EXPENDITURES	$318,252	$308,761	$320,691
NET INCOME/(DEFICIT)	$17,174	$25,213	$37,079

GREATER VANCOUVER HOUSING CORPORATION

Heather Place - 86 Units
774 West 13th Avenue
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$648,774	$621,576	$689,011
Miscellaneous Income	8,640	9,720	8,640
TOTAL REVENUE	$657,414	$631,296	$697,651
EXPENDITURE			
VARIABLE COSTS			
Advertising	$600	$283	$600
Landscape Maintenance	8,000	8,350	8,240
Security	105	108	108
Garbage Removal	6,000	6,639	7,700
Other Supplies & Services	2,690	3,598	3,719
Repairs & Maintenance	23,460	24,730	28,287
Decorating & Cleaning	10,850	13,485	13,975
Utilities	14,350	15,664	16,342
Site Management	32,900	34,116	36,000
Provision for Doubtful Accounts	409	647	825
TOTAL VARIABLE COSTS	99,364	107,620	115,796
FIXED COSTS			
Insurance	4,300	3,843	4,400
Property Taxes & Sewer Rates	64,330	71,379	63,890
Management Fee	30,754	30,754	32,611
Provision for Replacement Reserve	51,090	51,090	51,090
TOTAL FIXED COSTS	150,474	157,066	151,991
TOTAL OPERATING COSTS	249,838	264,686	267,787
Debt Charges	834,516	834,516	834,516
Less: Federal Mortgage Assistance	(467,022)	(488,913)	(436,185)
NET DEBT CHARGES	367,494	345,603	398,331
EXTRAORDINARY ITEMS			
Minor Capital Improvements			5,000
Other	32,000	13,192	2,000
	32,000	13,192	7,000
TOTAL EXPENDITURES	$649,332	$623,481	$673,118
NET INCOME/(DEFICIT)	$8,082	$7,815	$24,533

GREATER VANCOUVER HOUSING CORPORATION

Hemlock Court - 21 Units
1411 East 17th Avenue
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$155,253	$152,311	$165,085
Miscellaneous Income	2,880	3,220	2,880
TOTAL REVENUE	$158,133	$155,531	$167,965
EXPENDITURE			
VARIABLE COSTS			
Advertising	$300	$120	$300
Landscape Maintenance	6,000	5,919	6,180
Security		150	206
Garbage Removal	2,800	2,810	3,410
Other Supplies & Services	735	951	1,654
Repairs & Maintenance	6,180	7,527	8,538
Decorating & Cleaning	4,950	4,557	5,105
Utilities	4,290	4,556	5,188
Site Management	8,000	8,328	8,800
Provision for Doubtful Accounts		270	193
TOTAL VARIABLE COSTS	33,255	35,188	39,574
FIXED COSTS			
Insurance	1,200	1,143	1,200
Property Taxes & Sewer Rates	13,450	13,037	13,260
Management Fee	7,510	7,510	7,963
Provision for Replacement Reserve	12,322	12,322	12,322
TOTAL FIXED COSTS	34,482	34,012	34,745
TOTAL OPERATING COSTS	67,737	69,200	74,319
Debt Charges	183,119	183,119	183,119
Less: Federal Mortgage Assistance	(113,004)	(99,853)	(103,569)
NET DEBT CHARGES	70,115	83,266	79,550
EXTRAORDINARY ITEMS			
Other	24,000	30	11,000
	24,000	30	11,000
TOTAL EXPENDITURES	$161,852	$152,496	$164,869
NET INCOME/(DEFICIT)	($3,719)	$3,035	$3,096

GREATER VANCOUVER HOUSING CORPORATION

Hugh Bird Residence - 64 Units
420 E. Cordova Street
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$313,665	$297,166	$304,806
Miscellaneous Income	1,400	1,539	1,400
TOTAL REVENUE	$315,065	$298,705	$306,206
EXPENDITURE			
VARIABLE COSTS			
Advertising	$105		$105
Garbage Removal	2,000	2,016	2,420
Other Supplies & Services	6,280	5,790	6,893
Repairs & Maintenance	10,650	10,858	11,593
Decorating & Cleaning	7,000	7,022	9,159
Utilities	23,460	25,240	24,782
Site Management	58,579	56,918	64,889
Provision for Doubtful Accounts	41	646	160
TOTAL VARIABLE COSTS	108,115	108,490	120,001
FIXED COSTS			
Insurance	2,600	2,128	2,800
Property Taxes & Sewer Rates	12,030	11,596	11,730
Management Fee	22,886	22,886	24,269
Provision for Replacement Reserve	22,128	22,128	22,128
TOTAL FIXED COSTS	59,644	58,738	60,927
TOTAL OPERATING COSTS	167,759	167,228	180,928
Debt Charges	220,373	220,373	220,373
Less: Federal Mortgage Assistance	(114,396)	(93,102)	(99,149)
NET DEBT CHARGES	105,977	127,271	121,224
TOTAL EXPENDITURES	$273,736	$294,499	$302,152
NET INCOME/(DEFICIT)	$41,329	$4,206	$4,054

GREATER VANCOUVER HOUSING CORPORATION

Kelly Court - 45 Units
2929 Nootka Street
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$143,756	$178,734	$137,362
Joint Federal/Provincial Rental Assistance	$130,900	$99,564	$130,900
Miscellaneous Income	5,760	6,400	5,760
TOTAL REVENUE	$280,416	$284,698	$274,022
EXPENDITURE			
VARIABLE COSTS			
Landscape Maintenance	3,000	3,490	3,090
Security	210	73	216
Garbage Removal	2,700	2,662	3,300
Other Supplies & Services	3,204	3,290	2,713
Repairs & Maintenance	13,720	24,524	15,555
Decorating & Cleaning	11,600	11,900	11,948
Utilities	37,220	39,267	43,166
Site Management	22,000	21,566	24,000
Provision for Doubtful Accounts	60	0	105
TOTAL VARIABLE COSTS	93,714	106,772	104,093
FIXED COSTS			
Insurance	2,800	2,837	2,900
Property Taxes & Sewer Rates	21,840	21,187	22,370
Management Fee	16,092	16,092	17,064
Provision for Replacement Reserve	15,992	15,992	15,992
TOTAL FIXED COSTS	56,724	56,108	58,326
TOTAL OPERATING COSTS	150,438	162,880	162,419
DEBT CHARGES	132,166	132,166	132,166
EXTRAORDINARY ITEMS			
Minor Capital Improvements		521	
Other		1,702	8,000
	0	2,223	8,000
TOTAL EXPENDITURES	$282,604	$297,269	$302,585
NET INCOME/(DEFICIT)	($2,188)	($12,571)	($28,563)

GREATER VANCOUVER HOUSING CORPORATION

Kingston Gardens - 144 Units
15385 - 99th Avenue
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$857,619	$886,036	$920,317
Miscellaneous Income	20,160	22,526	20,160
TOTAL REVENUE	$877,779	$908,562	$940,477
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500		$200
Landscape Maintenance	15,000	25,069	20,600
Security	1,575	10,977	10,300
Garbage Removal	12,000	11,549	13,200
Other Supplies & Services	8,000	8,815	8,186
Repairs & Maintenance	43,920	55,395	54,893
Decorating & Cleaning	40,800	47,420	43,965
Utilities	36,552	30,519	36,819
Site Management	50,700	51,910	55,700
Provision for Doubtful Accounts	2,485	2,534	3,123
TOTAL VARIABLE COSTS	211,532	244,188	246,986
FIXED COSTS			
Insurance	8,800	8,840	9,100
Property Taxes & Sewer Rates	127,240	106,605	111,720
Management Fee	51,494	51,494	54,605
Provision for Replacement Reserve	64,148	64,148	64,148
TOTAL FIXED COSTS	251,682	231,087	239,573
TOTAL OPERATING COSTS	463,214	475,275	486,559
Debt Charges	873,780	957,218	960,212
Less: Federal Mortgage Assistance	(508,760)	(590,668)	(608,533)
NET DEBT CHARGES	365,020	366,550	351,679
EXTRAORDINARY ITEMS			
Minor Capital Improvements		5,400	35,500
Major Repairs		10,622	
Other	44,000	38,338	52,000
	44,000	54,360	87,500
TOTAL EXPENDITURES	$872,234	$896,185	$925,738
NET INCOME/(DEFICIT)	$5,545	$12,377	$14,739

GREATER VANCOUVER HOUSING CORPORATION

Kingston Gardens IV - 48 Units
15385 - 99th Avenue
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$275,262	$289,003	$291,685
Miscellaneous Income		100	
TOTAL REVENUE	$275,262	$289,103	$291,685
EXPENDITURE			
VARIABLE COSTS			
Advertising	$315		$315
Landscape Maintenance	8,000	8,356	8,240
Security	525	6,939	
Garbage Removal	3,800	4,908	6,050
Other Supplies & Services	4,785	2,103	2,738
Repairs & Maintenance	13,440	16,036	16,254
Decorating & Cleaning	16,350	11,608	14,641
Utilities	9,504	7,184	8,816
Site Management	16,900	17,287	18,600
Provision for Doubtful Accounts	487	455	436
TOTAL VARIABLE COSTS	74,106	74,876	76,090
FIXED COSTS			
Insurance	3,200	3,296	3,300
Property Taxes & Sewer Rates	39,970	33,204	34,730
Management Fee	17,165	17,165	18,202
Provision for Replacement Reserve	28,653	28,653	28,653
TOTAL FIXED COSTS	88,988	82,318	84,885
TOTAL OPERATING COSTS	163,094	157,194	160,975
Debt Charges	395,299	395,299	395,299
Less: Federal Mortgage Assistance	(250,629)	(250,629)	(250,629)
NET DEBT CHARGES	144,670	144,670	144,670
EXTRAORDINARY ITEMS			
Minor Capital Improvements		8,189	15,000
Major Repairs		1,215	
Other	11,000	12,393	3,000
	11,000	21,797	18,000
TOTAL EXPENDITURES	$318,764	$323,661	$323,645
NET INCOME/(DEFICIT)	($43,502)	($34,558)	($31,960)

GREATER VANCOUVER HOUSING CORPORATION

Knightsbridge I - 80 Units
12551 Cambie Road
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$605,166	$605,138	$643,159
Miscellaneous Income	5,080	11,200	5,080
TOTAL REVENUE	$610,246	$616,338	$648,239
EXPENDITURE			
VARIABLE COSTS			
Advertising	$735	$1,467	$1,000
Landscape Maintenance	12,000	13,474	12,360
Security	3,400		1,030
Garbage Removal	7,200	8,624	9,240
Other Supplies & Services	7,525	5,931	7,711
Repairs & Maintenance	18,895	23,605	21,318
Decorating & Cleaning	15,050	15,500	17,550
Utilities	11,940	11,288	13,534
Site Management	27,000	29,296	29,800
Provision for Doubtful Accounts	594	365	511
TOTAL VARIABLE COSTS	104,339	109,550	114,054
FIXED COSTS			
Insurance	4,500	4,401	4,700
Property Taxes & Sewer Rates	47,710	51,401	53,460
Management Fee	28,608	28,608	30,336
Provision for Replacement Reserve	47,429	47,429	47,429
TOTAL FIXED COSTS	128,247	131,839	135,925
TOTAL OPERATING COSTS	232,586	241,389	249,979
Debt Charges	732,174	748,429	689,427
Less: Federal Mortgage Assistance	(364,886)	(391,652)	(322,218)
NET DEBT CHARGES	367,288	356,777	367,209
EXTRAORDINARY ITEMS			
Minor Capital Improvements		973	2,500
Other		1,130	2,800
		2,103	5,300
TOTAL EXPENDITURES	$599,874	$600,269	$622,488
NET INCOME/(DEFICIT)	$10,372	$16,069	$25,751

GREATER VANCOUVER HOUSING CORPORATION

Knightsbridge II - 80 Units
12571 Cambie Road
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$603,956	$608,801	$641,886
Miscellaneous Income	5,000	389	5,000
TOTAL REVENUE	$608,956	$609,190	$646,886
EXPENDITURE			
VARIABLE COSTS			
Advertising	$735	$1,304	$1,000
Landscape Maintenance	12,000	13,474	12,360
Security	3,400		1,030
Garbage Removal	7,200	7,298	9,130
Other Supplies & Services	2,440	3,600	3,724
Repairs & Maintenance	11,275	19,611	21,236
Decorating & Cleaning	15,250	20,970	17,550
Utilities	9,100	9,955	10,551
Site Management	27,000	29,246	29,800
Provision for Doubtful Accounts	538	2,286	949
TOTAL VARIABLE COSTS	88,938	107,744	107,330
FIXED COSTS			
Insurance	4,500	4,401	4,700
Property Taxes & Sewer Rates	47,510	51,204	53,250
Management Fee	28,608	28,608	30,336
Provision for Replacement Reserve	44,461	44,461	44,461
TOTAL FIXED COSTS	125,079	128,674	132,747
TOTAL OPERATING COSTS	214,017	236,418	240,077
Debt Charges	664,325	664,325	664,325
Less: Federal Mortgage Assistance	(284,967)	(314,924)	(295,914)
NET DEBT CHARGES	379,358	349,401	368,411
EXTRAORDINARY ITEMS			
Minor Capital Improvements		1,548	2,500
Other		910	2,700
		2,458	5,200
TOTAL EXPENDITURES	$593,375	$588,277	$613,688
NET INCOME/(DEFICIT)	$15,581	$20,913	$33,198

GREATER VANCOUVER HOUSING CORPORATION

London Square - 48 Units
1206A London Street
New Westminster

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$391,756	$392,611	$422,645
Miscellaneous Income	2,880	3,390	2,880
TOTAL REVENUE	$394,636	$396,001	$425,525
EXPENDITURE			
VARIABLE COSTS			
Advertising	$315	$163	$200
Landscape Maintenance	10,152	8,419	10,457
Security	315	84	324
Garbage Removal	5,200	5,373	6,380
Other Supplies & Services	2,575	2,282	2,118
Repairs & Maintenance	15,300	16,384	20,231
Decorating & Cleaning	14,550	17,988	17,074
Utilities	24,364	24,235	25,953
Site Management	16,900	17,320	18,600
Provision for Doubtful Accounts		690	570
TOTAL VARIABLE COSTS	89,671	92,938	101,907
FIXED COSTS			
Insurance	3,200	3,293	3,300
Property Taxes & Sewer Rates	47,200	48,915	51,160
Management Fee	17,165	17,165	18,202
Provision for Replacement Reserve	33,850	33,850	33,850
TOTAL FIXED COSTS	101,415	103,223	106,512
TOTAL OPERATING COSTS	191,086	196,161	208,419
Debt Charges	484,596	484,596	484,596
Less: Federal Mortgage Assistance	(306,678)	(289,950)	(304,160)
NET DEBT CHARGES	177,918	194,646	180,436
EXTRAORDINARY ITEMS			
Minor Capital Improvements			4,000
Other	10,000	1,890	32,000
	10,000	1,890	36,000
TOTAL EXPENDITURES	$379,004	$392,697	$424,855
NET INCOME/(DEFICIT)	$15,632	$3,304	$670

GREATER VANCOUVER HOUSING CORPORATION

Lynden Court - 51 Units
5500 - 48B Avenue
Delta

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$357,221	$363,876	$380,023
Miscellaneous Income	2,880	3,550	2,880
TOTAL REVENUE	$360,101	$367,426	$382,903
EXPENDITURE			
VARIABLE COSTS			
Advertising	$210		$210
Landscape Maintenance	10,000	12,031	10,300
Security		88	
Garbage Removal	3,036	3,963	4,400
Other Supplies & Services	3,655	1,882	2,173
Repairs & Maintenance	9,650	10,134	12,415
Decorating & Cleaning	11,300	10,210	11,515
Utilities	4,560	4,392	4,882
Site Management	17,200	18,683	19,000
Provision for Doubtful Accounts	188	20	210
TOTAL VARIABLE COSTS	59,799	61,403	65,105
FIXED COSTS			
Insurance	3,100	3,132	3,200
Property Taxes & Sewer Rates	44,150	43,541	46,330
Management Fee	18,238	18,238	19,339
Provision for Replacement Reserve	30,789	30,789	30,789
TOTAL FIXED COSTS	96,277	95,700	99,658
TOTAL OPERATING COSTS	156,076	157,103	164,763
Debt Charges	488,928	488,928	488,928
Less: Federal Mortgage Assistance	(311,188)	(285,946)	(283,617)
NET DEBT CHARGES	177,740	202,982	205,311
EXTRAORDINARY ITEMS			
Other	16,000	2,355	5,500
	16,000	2,355	5,500
TOTAL EXPENDITURES	$349,816	$362,440	$375,574
NET INCOME/(DEFICIT)	$10,285	$4,986	$7,329

GREATER VANCOUVER HOUSING CORPORATION

Malaspina Village - 67 Units
1144 Inlet Drive
Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$456,544	$473,133	$484,367
Miscellaneous Income	2,880	3,380	2,880
TOTAL REVENUE	$459,424	$476,513	$487,247
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500		$500
Landscape Maintenance	12,152	13,267	14,420
Security	105		108
Garbage Removal	7,000	7,036	8,030
Other Supplies & Services	4,515	1,516	1,036
Repairs & Maintenance	9,720	16,765	17,072
Decorating & Cleaning	13,300	11,878	13,729
Utilities	8,154	7,131	8,032
Site Management	23,100	23,665	25,000
Provision for Doubtful Accounts	891	(808)	966
TOTAL VARIABLE COSTS	79,437	80,450	88,893
FIXED COSTS			
Insurance	4,100	4,050	4,200
Property Taxes & Sewer Rates	50,140	51,199	52,790
Management Fee	23,959	23,959	25,406
Provision for Replacement Reserve	41,836	41,836	41,836
TOTAL FIXED COSTS	120,035	121,044	124,232
TOTAL OPERATING COSTS	199,472	201,494	213,125
Debt Charges	670,244	670,244	670,244
Less: Federal Mortgage Assistance	(424,704)	(401,499)	(406,864)
NET DEBT CHARGES	245,540	268,745	263,380
EXTRAORDINARY ITEMS			
Other	11,000	1,692	6,000
	11,000	1,692	6,000
TOTAL EXPENDITURES	$456,012	$471,931	$482,505
NET INCOME/(DEFICIT)	$3,412	$4,582	$4,742

GREATER VANCOUVER HOUSING CORPORATION

Maple Vine Court - 82 Units
7500 Francis Road
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$529,953	$536,108	$559,999
Miscellaneous Income	5,760	6,304	5,760
TOTAL REVENUE	$535,713	$542,412	$565,759
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$869	$500
Landscape Maintenance	5,076	4,704	5,228
Garbage Removal	5,200	5,308	6,270
Other Supplies & Services	9,085	5,051	6,410
Repairs & Maintenance	26,610	23,550	30,415
Decorating & Cleaning	22,900	22,657	25,150
Utilities	24,285	23,677	27,140
Site Management	27,700	29,984	30,600
Provision for Doubtful Accounts	346	5	521
TOTAL VARIABLE COSTS	121,702	115,805	132,234
FIXED COSTS			
Insurance	4,600	4,486	4,800
Property Taxes & Sewer Rates	51,980	55,737	57,740
Management Fee	29,323	29,323	31,094
Provision for Replacement Reserve	48,517	48,517	48,517
TOTAL FIXED COSTS	134,420	138,063	142,151
TOTAL OPERATING COSTS	256,122	253,868	274,385
Debt Charges	670,136	723,576	642,413
Less: Federal Mortgage Assistance	(424,002)	(446,687)	(367,421)
NET DEBT CHARGES	246,134	276,889	274,992
EXTRAORDINARY ITEMS			
Minor Capital Improvements		694	1,000
Other		3,193	4,700
		3,887	5,700
TOTAL EXPENDITURES	$502,256	$534,644	$555,077
NET INCOME/(DEFICIT)	$33,457	$7,768	$10,682

GREATER VANCOUVER HOUSING CORPORATION

McBride Place - 94 Units
431 Ginger Drive
New Westminster

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$702,715	$694,268	$754,666
Miscellaneous Income	5,760	7,015	5,760
TOTAL REVENUE	$708,475	$701,283	$760,426
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$174	$500
Landscape Maintenance	10,152	10,267	10,457
Security	315	172	515
Garbage Removal	8,500	9,967	11,000
Other Supplies & Services	4,020	4,990	4,510
Repairs & Maintenance	18,460	25,879	23,833
Decorating & Cleaning	27,900	36,494	31,309
Utilities	17,152	14,754	15,774
Site Management	33,100	33,870	36,300
Provision for Doubtful Accounts	784	1,185	1,251
TOTAL VARIABLE COSTS	120,883	137,752	135,449
FIXED COSTS			
Insurance	6,600	6,978	6,800
Property Taxes & Sewer Rates	98,780	101,631	105,590
Management Fee	33,614	33,614	35,645
Provision for Replacement Reserve	59,296	59,296	59,296
TOTAL FIXED COSTS	198,290	201,519	207,331
TOTAL OPERATING COSTS	319,173	339,271	342,780
Debt Charges	801,540	812,247	804,060
Less: Federal Mortgage Assistance	(432,651)	(464,903)	(439,894)
NET DEBT CHARGES	368,889	347,344	364,166
EXTRAORDINARY ITEMS			
Minor Capital Improvements		521	17,000
Other	13,000	4,528	19,000
	13,000	5,049	36,000
TOTAL EXPENDITURES	$701,062	$691,664	$742,946
NET INCOME/(DEFICIT)	$7,413	$9,619	$17,480

GREATER VANCOUVER HOUSING CORPORATION

Meridian Village - 202 Units
3156 Coast Meridian Road
Port Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$1,126,858	$1,135,522	$1,203,787
Joint Federal/Provincial Rental Assistance	34,700	26,042	34,700
Miscellaneous Income	8,140	10,951	8,140
TOTAL REVENUE	$1,169,698	$1,172,515	$1,246,627
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$94	$500
Landscape Maintenance	40,000	47,129	46,350
Security	8,500	9,487	8,755
Garbage Removal	15,000	14,083	16,500
Other Supplies & Services	6,850	5,969	5,978
Repairs & Maintenance	59,050	134,089	90,889
Decorating & Cleaning	41,750	56,102	46,100
Utilities	66,271	70,472	71,246
Site Management	69,500	71,465	75,200
Provision for Doubtful Accounts	1,731	10,032	4,643
TOTAL VARIABLE COSTS	309,152	418,921	366,161
FIXED COSTS			
Insurance	11,900	11,677	12,300
Property Taxes & Sewer Rates	120,420	124,614	127,730
Management Fee	72,235	72,235	76,598
Provision for Replacement Reserve	67,776	67,776	67,776
TOTAL FIXED COSTS	272,331	276,302	284,404
TOTAL OPERATING COSTS	581,483	695,223	650,565
DEBT CHARGES	580,277	580,277	580,277
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,797	
Major Repairs		85	
Other	140,000	74,314	101,000
	140,000	77,196	101,000
TOTAL EXPENDITURES	$1,301,760	$1,352,696	$1,331,842
NET INCOME/(DEFICIT)	($132,062)	($180,181)	($85,215)

GREATER VANCOUVER HOUSING CORPORATION

Minato West - 110 Units
4151 Regent Street
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$756,427	$753,346	$810,977
Joint Federal/Provincial Rental Assistance	4,040	4,032	4,040
Miscellaneous Income	7,200	8,020	7,200
TOTAL REVENUE	$767,667	$765,398	$822,217
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$816	$750
Landscape Maintenance	15,000	14,685	15,450
Security	263	150	270
Garbage Removal	8,200	9,293	9,900
Other Supplies & Services	7,419	11,302	10,705
Repairs & Maintenance	34,115	25,503	34,200
Decorating & Cleaning	29,400	23,999	29,989
Utilities	20,918	21,518	23,240
Site Management	37,100	40,307	41,000
Provision for Doubtful Accounts	1,026	396	810
TOTAL VARIABLE COSTS	153,941	147,969	166,314
FIXED COSTS			
Insurance	6,100	5,810	6,300
Property Taxes & Sewer Rates	58,120	63,207	66,560
Management Fee	39,336	39,336	41,712
Provision for Replacement Reserve	38,650	38,650	38,650
TOTAL FIXED COSTS	142,206	147,003	153,222
TOTAL OPERATING COSTS	296,147	294,972	319,536
DEBT CHARGES	323,165	323,165	323,165
EXTRAORDINARY ITEMS			
Minor Capital Improvements		4,874	
Major Repairs		7,330	
Other	52,050	36,403	37,300
	52,050	48,606	37,300
TOTAL EXPENDITURES	$671,362	$666,743	$680,001
NET INCOME/(DEFICIT)	$96,305	$98,655	$142,216

GREATER VANCOUVER HOUSING CORPORATION

Moffatt Park - 21 Units
7660 Moffatt Road
Richmond

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$168,856	$165,655	$178,697
Miscellaneous Income	2,880	3,220	2,880
TOTAL REVENUE	$171,736	$168,875	$181,577
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$120	$500
Landscape Maintenance	3,807	2,905	3,605
Garbage Removal	2,700	2,654	2,970
Other Supplies & Services	2,340	1,148	1,149
Repairs & Maintenance	5,580	11,206	8,437
Decorating & Cleaning	6,400	5,362	7,410
Utilities	3,522	2,944	3,438
Site Management	7,100	7,687	7,800
Provision for Doubtful Accounts		430	86
TOTAL VARIABLE COSTS	31,949	34,456	35,395
FIXED COSTS			
Insurance	1,400	1,387	1,400
Property Taxes & Sewer Rates	18,120	19,038	19,870
Management Fee	7,510	7,510	7,963
Provision for Replacement Reserve	12,527	12,527	12,527
TOTAL FIXED COSTS	39,557	40,462	41,760
TOTAL OPERATING COSTS	71,506	74,918	77,155
Debt Charges	193,332	193,332	193,332
Less: Federal Mortgage Assistance	(118,799)	(105,541)	(96,371)
NET DEBT CHARGES	74,533	87,791	96,961
EXTRAORDINARY ITEMS			
Minor Capital Improvements		390	
Other	2,150	3,158	1,500
	2,150	3,548	1,500
TOTAL EXPENDITURES	$148,189	$166,257	$175,616
NET INCOME/(DEFICIT)	$23,547	$2,618	$5,961

GREATER VANCOUVER HOUSING CORPORATION

Moray Place - 52 Units
125 Moray Street
Port Moody

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$373,654	$390,782	$396,397
Miscellaneous Income	2,880	3,379	2,880
TOTAL REVENUE	$376,534	$394,161	$399,277
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500		$500
Landscape Maintenance	7,000	7,738	7,210
Security	300	172	309
Garbage Removal	4,000	2,870	4,400
Other Supplies & Services	9,550	5,879	6,216
Repairs & Maintenance	10,840	15,513	13,744
Decorating & Cleaning	15,300	12,331	15,789
Utilities	8,274	8,619	9,344
Site Management	17,900	18,346	19,400
Provision for Doubtful Accounts	327	672	759
TOTAL VARIABLE COSTS	73,991	72,140	77,671
FIXED COSTS			
Insurance	3,900	4,259	4,100
Property Taxes & Sewer Rates	39,080	39,277	40,260
Management Fee	18,595	18,595	19,718
Provision for Replacement Reserve	37,841	37,841	37,841
TOTAL FIXED COSTS	99,416	99,972	101,919
TOTAL OPERATING COSTS	173,407	172,112	179,590
Debt Charges	523,833	523,833	523,833
Less: Federal Mortgage Assistance	(337,236)	(310,563)	(318,995)
NET DEBT CHARGES	186,597	213,270	204,838
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,420	
Other		1,079	10,000
		3,499	10,000
TOTAL EXPENDITURES	$360,004	$388,881	$394,428
NET INCOME/(DEFICIT)	$16,530	$5,280	$4,849

GREATER VANCOUVER HOUSING CORPORATION

Ozada Village - 61 Units
1205 Pipeline Road
Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$319,869	$315,155	$339,510
Miscellaneous Income	8,640	9,460	8,640
TOTAL REVENUE	$328,509	$324,615	$348,150
EXPENDITURE			
VARIABLE COSTS			
Advertising	$210	$566	$500
Landscape Maintenance	7,000	5,518	6,180
Security	105	88	108
Garbage Removal	2,600	2,655	3,080
Other Supplies & Services	10,400	3,784	4,915
Repairs & Maintenance	14,590	19,138	17,870
Decorating & Cleaning	4,800	5,746	5,971
Utilities	26,578	28,314	28,592
Site Management	21,000	21,550	22,700
Provision for Doubtful Accounts	308	(102)	40
TOTAL VARIABLE COSTS	87,591	87,257	89,956
FIXED COSTS			
Insurance	3,600	3,513	3,700
Property Taxes & Sewer Rates	32,210	34,465	35,530
Management Fee	21,814	21,814	23,131
Provision for Replacement Reserve	34,026	34,026	34,026
TOTAL FIXED COSTS	91,650	93,818	96,387
TOTAL OPERATING COSTS	179,241	181,075	186,343
Debt Charges	451,421	494,970	497,880
Less: Federal Mortgage Assistance	(291,392)	(341,720)	(348,432)
NET DEBT CHARGES	160,029	153,250	149,448
EXTRAORDINARY ITEMS			
Minor Capital Improvements		3,801	5,000
Major Repairs			65,000
Other	8,000	2,000	25,000
	8,000	5,801	95,000
TOTAL EXPENDITURES	$347,270	$340,126	$430,791
NET INCOME/(DEFICIT)	($18,761)	($15,511)	($82,641)

GREATER VANCOUVER HOUSING CORPORATION

Park Court - 30 Units
100 Nelson Street
Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$145,522	$147,302	$156,113
Miscellaneous Income	2,880	3,236	2,880
TOTAL REVENUE	$148,402	$150,538	$158,993
EXPENDITURE			
VARIABLE COSTS			
Advertising	$250		$250
Landscape Maintenance	3,800	3,877	3,914
Security	105		108
Garbage Removal	1,500	1,324	1,650
Other Supplies & Services	3,130	777	7,834
Repairs & Maintenance	17,010	11,895	16,306
Decorating & Cleaning	7,050	3,712	6,256
Utilities	13,933	11,880	13,793
Site Management	9,600	10,721	10,400
Provision for Doubtful Accounts	858	1,232	1,201
TOTAL VARIABLE COSTS	57,236	45,418	61,712
FIXED COSTS			
Insurance	1,700	1,677	1,800
Property Taxes & Sewer Rates	19,560	17,637	18,200
Management Fee	10,728	10,728	11,376
Provision for Replacement Reserve	6,001	6,001	6,001
TOTAL FIXED COSTS	37,989	36,043	37,377
TOTAL OPERATING COSTS	95,225	81,461	99,089
Debt Charges	98,105	98,105	98,105
Less: Federal Mortgage Assistance	(63,637)	(36,660)	(48,954)
NET DEBT CHARGES	34,468	61,445	49,151
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,998	2,000
Other	3,000	160	6,000
	3,000	3,158	8,000
TOTAL EXPENDITURES	$132,693	$146,064	$156,240
NET INCOME/(DEFICIT)	$15,709	$4,474	$2,753

GREATER VANCOUVER HOUSING CORPORATION

Pinewood Place - 50 Units
850 West 17th Street
North Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$392,508	$397,014	$414,931
Miscellaneous Income	5,760	6,405	5,760
TOTAL REVENUE	$398,268	$403,419	$420,691
EXPENDITURE			
VARIABLE COSTS			
Landscape Maintenance	$7,000	$8,154	$7,210
Garbage Removal	6,500	6,603	7,920
Other Supplies & Services	7,760	1,596	1,774
Repairs & Maintenance	8,190	15,068	12,197
Decorating & Cleaning	10,100	11,446	9,676
Utilities	5,315	5,019	5,319
Site Management	17,200	17,651	18,500
Provision for Doubtful Accounts	123	736	208
TOTAL VARIABLE COSTS	62,188	66,273	62,804
FIXED COSTS			
Insurance	3,300	3,430	3,400
Property Taxes & Sewer Rates	55,110	54,857	56,780
Management Fee	17,880	17,880	18,960
Provision for Replacement Reserve	27,250	27,250	27,250
TOTAL FIXED COSTS	103,540	103,417	106,390
TOTAL OPERATING COSTS	165,728	169,690	169,194
Debt Charges	447,974	447,974	447,974
Less: Federal Mortgage Assistance	(222,571)	(229,961)	(221,342)
NET DEBT CHARGES	225,403	218,013	226,632
EXTRAORDINARY ITEMS			
Minor Capital Improvements		875	
Major Repairs		3,144	
Other		867	8,000
		4,886	8,000
TOTAL EXPENDITURES	$391,131	$392,589	$403,826
NET INCOME/(DEFICIT)	$7,137	$10,830	$16,865

GREATER VANCOUVER HOUSING CORPORATION

Ran Beamish Place - 122 Units
8750 Maple Grove Crescent
Burnaby

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$954,002	$956,233	$1,023,888
Miscellaneous Income	8,640	9,800	8,640
TOTAL REVENUE	$962,642	$966,033	$1,032,528
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500	$660	$500
Landscape Maintenance	22,000	33,642	25,750
Security	105		108
Garbage Removal	8,400	9,275	10,450
Other Supplies & Services	5,365	13,103	11,681
Repairs & Maintenance	16,070	43,498	29,526
Decorating & Cleaning	24,400	30,837	28,255
Utilities	9,940	9,258	11,345
Site Management	42,000	43,948	45,400
Provision for Doubtful Accounts		3,760	1,597
TOTAL VARIABLE COSTS	128,780	187,981	164,612
FIXED COSTS			
Insurance	7,900	8,142	8,200
Property Taxes & Sewer Rates	102,890	90,859	94,950
Management Fee	43,627	43,627	46,262
Provision for Replacement Reserve	78,351	78,351	78,351
TOTAL FIXED COSTS	232,768	220,979	227,763
TOTAL OPERATING COSTS	361,548	408,960	392,375
Debt Charges	1,138,545	1,138,545	1,138,545
Less: Federal Mortgage Assistance	(586,042)	(629,641)	(608,253)
NET DEBT CHARGES	552,503	508,904	530,292
EXTRAORDINARY ITEMS			
Minor Capital Improvements		13,001	
Major Repairs		2,386	
Other	31,000	11,102	75,000
	31,000	26,489	75,000
TOTAL EXPENDITURES	$945,051	$944,353	$997,667
NET INCOME/(DEFICIT)	$17,591	$21,680	$34,861

GREATER VANCOUVER HOUSING CORPORATION

River Place - 111 Units
2466 Gately Avenue
Port Coquitlam

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$601,397	$608,678	$638,526
Miscellaneous Income	8,640	10,059	8,640
TOTAL REVENUE	$610,037	$618,737	$647,166
EXPENDITURE			
VARIABLE COSTS			
Advertising	$500		$500
Landscape Maintenance	8,000	13,013	13,390
Security	4,500	8,246	7,210
Garbage Removal	7,600	7,920	9,020
Other Supplies & Services	4,585	6,525	5,884
Repairs & Maintenance	16,200	23,490	20,912
Decorating & Cleaning	22,000	25,026	18,185
Utilities	18,866	19,757	20,601
Site Management	38,200	39,238	41,300
Provision for Doubtful Accounts	3,739	5,399	4,343
TOTAL VARIABLE COSTS	124,190	148,614	141,345
FIXED COSTS			
Insurance	6,600	6,554	6,900
Property Taxes & Sewer Rates	64,570	67,518	69,480
Management Fee	39,694	39,694	42,091
Provision for Replacement Reserve	78,867	78,867	78,867
TOTAL FIXED COSTS	189,731	192,633	197,338
TOTAL OPERATING COSTS	313,921	341,247	338,683
Debt Charges	1,089,515	1,089,515	1,089,515
Less: Federal Mortgage Assistance	(689,607)	(689,658)	(689,607)
NET DEBT CHARGES	399,908	399,857	399,908
EXTRAORDINARY ITEMS			
Minor Capital Improvements		5,380	
Other	5,000	4,155	18,000
	5,000	9,535	18,000
TOTAL EXPENDITURES	$718,829	$750,639	$756,591
NET INCOME/(DEFICIT)	($108,792)	($131,902)	($109,425)

GREATER VANCOUVER HOUSING CORPORATION

St. Andrew's Place - 15 Units
95 St. Andrew's Avenue
North Vancouver City

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$78,813	$79,180	$84,784
Miscellaneous Income	2,880	3,160	2,880
TOTAL REVENUE	$81,693	$82,340	$87,664
EXPENDITURE			
VARIABLE COSTS			
Advertising	$315		$315
Landscape Maintenance	1,200	1,226	1,236
Garbage Removal	600	657	660
Other Supplies & Services	1,723	587	1,765
Repairs & Maintenance	7,965	3,624	7,213
Decorating & Cleaning	4,600	3,208	5,256
Utilities	7,670	8,008	8,372
Site Management	5,200	5,289	5,600
Provision for Doubtful Accounts	26		15
TOTAL VARIABLE COSTS	29,299	22,599	30,432
FIXED COSTS			
Insurance	800	722	800
Property Taxes & Sewer Rates	10,510	10,882	11,200
Management Fee	5,364	5,364	5,688
Provision for Replacement Reserve	4,028	4,028	4,028
TOTAL FIXED COSTS	20,702	20,996	21,716
TOTAL OPERATING COSTS	50,001	43,595	52,148
DEBT CHARGES	37,045	37,045	37,045
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,273	
Major Repairs			3,000
Other	20,000	3,740	15,000
	20,000	6,013	18,000
TOTAL EXPENDITURES	$107,046	$86,653	$107,193
NET INCOME/(DEFICIT)	($25,353)	($4,313)	($19,529)

GREATER VANCOUVER HOUSING CORPORATION

Semlin Terrace - 36 Units
100 Semlin Drive
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$239,013	$237,528	$257,097
Miscellaneous Income	8,640	9,300	8,640
TOTAL REVENUE	$247,653	$246,828	$265,737
EXPENDITURE			
VARIABLE COSTS			
Advertising	$158		$158
Landscape Maintenance	450		1,030
Garbage Removal	4,000	3,948	4,620
Other Supplies & Services	2,549	4,047	3,011
Repairs & Maintenance	9,500	11,711	13,517
Decorating & Cleaning	6,300	5,083	6,959
Utilities	10,280	9,363	10,526
Site Management	13,800	14,680	15,100
Provision for Doubtful Accounts	529	(1,170)	363
TOTAL VARIABLE COSTS	47,566	47,662	55,284
FIXED COSTS			
Insurance	2,000	1,919	2,100
Property Taxes & Sewer Rates	21,350	20,577	21,890
Management Fee	12,874	12,874	13,651
Provision for Replacement Reserve	11,869	11,869	11,869
TOTAL FIXED COSTS	48,093	47,239	49,510
TOTAL OPERATING COSTS	95,659	94,901	104,794
DEBT CHARGES	106,187	106,187	106,187
EXTRAORDINARY ITEMS			
Minor Capital Improvements		1,533	
Major Repairs	29,000	3,505	4,000
Other			23,000
	29,000	5,038	27,000
TOTAL EXPENDITURES	$230,846	$206,126	$237,981
NET INCOME/(DEFICIT)	$16,807	$40,702	$27,756

GREATER VANCOUVER HOUSING CORPORATION

Single Family Homes - 8 Units
Coquitlam, Delta, Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$59,805	$59,232	$63,433
Miscellaneous Income		696	
TOTAL REVENUE	$59,805	$59,928	$63,433
EXPENDITURE			
VARIABLE COSTS			
Advertising	$210		$210
Landscape Maintenance	85		88
Other Supplies & Services	605	60	608
Repairs & Maintenance	6,530	2,995	4,636
Decorating & Cleaning	1,700	2,183	1,860
Utilities	670	653	692
Site Management	2,800	3,253	3,100
Provision for Doubtful Accounts	327		106
TOTAL VARIABLE COSTS	12,927	9,144	11,300
FIXED COSTS			
Insurance	700	759	700
Property Taxes & Sewer Rates	12,390	9,585	10,580
Management Fee	2,861	2,861	3,034
Provision for Replacement Reserve	1,736	1,736	1,736
TOTAL FIXED COSTS	17,687	14,941	16,050
TOTAL OPERATING COSTS	30,614	24,085	27,350
Debt Charges	43,533	43,533	43,533
Less: Federal Mortgage Assistance	(25,776)	(10,854)	(19,824)
NET DEBT CHARGES	17,757	32,679	23,709
EXTRAORDINARY ITEMS			
Minor Capital Improvements			8,500
Other	6,000		2,000
	6,000		10,500
TOTAL EXPENDITURES	$54,371	$56,764	$61,559
NET INCOME/(DEFICIT)	$5,434	$3,164	$1,874

GREATER VANCOUVER HOUSING CORPORATION

Somerset Gardens - 166 Units
1821 Southmere Crescent East
White Rock

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$1,118,656	$1,112,372	$1,197,202
Miscellaneous Income	17,580	19,214	17,580
TOTAL REVENUE	$1,136,236	$1,131,586	$1,214,782
EXPENDITURE			
VARIABLE COSTS			
Advertising	$1,000	$348	$1,000
Landscape Maintenance	10,152	13,909	15,450
Security	1,800	19,098	12,360
Garbage Removal	12,000	13,065	13,200
Other Supplies & Services	12,990	9,724	9,258
Repairs & Maintenance	43,090	70,301	51,594
Decorating & Cleaning	39,900	42,002	44,099
Utilities	79,376	74,232	79,757
Site Management	56,000	60,752	61,900
Provision for Doubtful Accounts	1,191	899	1,058
TOTAL VARIABLE COSTS	257,499	304,330	289,676
FIXED COSTS			
Insurance	11,500	12,064	11,900
Property Taxes & Sewer Rates	153,150	128,829	137,070
Management Fee	59,362	59,362	62,947
Provision for Replacement Reserve	80,307	80,307	80,307
TOTAL FIXED COSTS	304,319	280,562	292,224
TOTAL OPERATING COSTS	561,818	584,892	581,900
Debt Charges	1,372,675	1,472,432	1,417,634
Less: Federal Mortgage Assistance	(809,163)	(945,088)	(841,056)
NET DEBT CHARGES	563,512	527,344	576,578
EXTRAORDINARY ITEMS			
Minor Capital Improvements		6,454	2,200
Other	4,300	6,874	32,500
	4,300	13,328	34,700
TOTAL EXPENDITURES	$1,129,630	$1,125,564	$1,193,178
NET INCOME/(DEFICIT)	$6,606	$6,022	$21,604

GREATER VANCOUVER HOUSING CORPORATION

Stanley/New Fountain - 103 Units
36 Blood Alley Square
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$409,809	$410,080	$401,990
Miscellaneous Income	500	1,323	500
TOTAL REVENUE	$410,309	$411,403	$402,490
EXPENDITURE			
VARIABLE COSTS			
Garbage Removal	$3,000	$3,047	$3,850
Other Supplies & Services	15,350	18,773	16,778
Repairs & Maintenance	16,180	26,374	29,783
Decorating & Cleaning	7,300	11,529	14,507
Utilities	42,460	29,310	45,828
Site Management	207,795	204,376	223,418
Provision for Doubtful Accounts	51,196	(8,091)	31,286
TOTAL VARIABLE COSTS	343,281	285,318	365,450
FIXED COSTS			
Insurance	25,800	25,283	28,400
Property Taxes & Sewer Rates	41,260	38,398	39,320
Management Fee	36,833	36,833	39,058
Provision for Replacement Reserve	10,430	10,430	10,430
TOTAL FIXED COSTS	114,323	110,944	117,208
TOTAL OPERATING COSTS	457,604	396,262	482,658
Debt Charges	157,579	157,579	157,579
Less: Federal Mortgage Assistance	(97,392)	(97,392)	(97,392)
NET DEBT CHARGES	60,187	60,187	60,187
EXTRAORDINARY ITEMS			
Major Repairs		8,362	
Other	10,000	6,491	20,000
	10,000	14,853	20,000
TOTAL EXPENDITURES	$527,791	$471,302	$562,845
NET INCOME/(DEFICIT)	($117,482)	($59,899)	($160,355)

GREATER VANCOUVER HOUSING CORPORATION

Strathearn Court - 96 Units
1873 Spyglass Place
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$720,114	$701,005	$764,522
Miscellaneous Income	10,080	11,530	10,080
TOTAL REVENUE	$730,194	$712,535	$774,602
EXPENDITURE			
VARIABLE COSTS			
Advertising	$1,000	$1,208	$1,000
Landscape Maintenance	2,538	2,600	2,614
Security		378	515
Garbage Removal	4,200	4,092	4,620
Other Supplies & Services	6,360	2,818	4,258
Repairs & Maintenance	13,950	21,871	20,148
Decorating & Cleaning	18,200	24,225	20,309
Utilities	29,110	29,112	31,320
Site Management	36,700	39,195	40,200
Provision for Doubtful Accounts	1,085	837	1,637
TOTAL VARIABLE COSTS	113,143	126,336	126,621
FIXED COSTS			
Insurance	5,600	5,507	5,800
Property Taxes & Sewer Rates	76,280	73,981	76,350
Management Fee	34,330	34,330	36,403
Provision for Replacement Reserve	48,436	48,436	48,436
TOTAL FIXED COSTS	164,646	162,254	166,989
TOTAL OPERATING COSTS	277,789	288,590	293,610
Debt Charges	852,222	852,222	852,222
Less: Federal Mortgage Assistance	(435,222)	(461,181)	(414,615)
NET DEBT CHARGES	417,000	391,041	437,607
EXTRAORDINARY ITEMS			
Minor Capital Improvements		1,833	
Other	22,500	13,975	8,000
	22,500	15,808	8,000
TOTAL EXPENDITURES	$717,289	$695,439	$739,217
NET INCOME/(DEFICIT)	$12,905	$17,096	$35,385

GREATER VANCOUVER HOUSING CORPORATION

Sutton Place - 83 Units
13834 - 102nd Avenue
Surrey

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$506,125	$511,592	$546,937
Miscellaneous Income	11,520	13,290	11,520
TOTAL REVENUE	$517,645	$524,882	$558,457
EXPENDITURE			
VARIABLE COSTS			
Advertising	$525		$525
Landscape Maintenance	8,460	12,736	12,360
Security	1,200	172	515
Garbage Removal	4,800	6,472	5,940
Other Supplies & Services	5,075	4,123	5,212
Repairs & Maintenance	21,000	20,155	20,398
Decorating & Cleaning	27,000	27,391	27,349
Utilities	20,878	19,732	21,592
Site Management	29,200	29,888	32,100
Provision for Doubtful Accounts	3,255	1,917	3,443
TOTAL VARIABLE COSTS	121,393	122,586	129,434
FIXED COSTS			
Insurance	5,200	5,239	5,400
Property Taxes & Sewer Rates	73,700	61,767	64,550
Management Fee	29,681	29,681	31,474
Provision for Replacement Reserve	52,090	52,090	52,090
TOTAL FIXED COSTS	160,671	148,777	153,514
TOTAL OPERATING COSTS	282,064	271,363	282,948
Debt Charges	758,131	758,131	758,131
Less: Federal Mortgage Assistance	(490,656)	(490,729)	(490,656)
NET DEBT CHARGES	267,475	267,402	267,475
EXTRAORDINARY ITEMS			
Minor Capital Improvements		2,470	4,500
Other	14,000	4,722	7,000
	14,000	7,192	11,500
TOTAL EXPENDITURES	$563,539	$545,957	$561,923
NET INCOME/(DEFICIT)	($45,894)	($21,075)	($3,466)

GREATER VANCOUVER HOUSING CORPORATION

Walnut Gardens - 26 Units
601 West Keith Road
North Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$206,612	$215,475	$218,526
Miscellaneous Income	2,880	6,035	2,880
TOTAL REVENUE	$209,492	$221,510	$221,406
EXPENDITURE			
VARIABLE COSTS			
Landscape Maintenance	5,076	9,432	7,725
Garbage Removal	2,700	2,639	3,300
Other Supplies & Services	3,945	3,258	1,463
Repairs & Maintenance	6,170	7,880	7,310
Decorating & Cleaning	5,900	5,162	6,077
Utilities	3,632	3,405	3,693
Site Management	8,900	9,188	9,600
Provision for Doubtful Accounts	36		31
TOTAL VARIABLE COSTS	36,359	40,964	39,199
FIXED COSTS			
Insurance	1,600	1,674	1,700
Property Taxes & Sewer Rates	28,720	27,875	31,000
Management Fee	9,298	9,298	9,859
Provision for Replacement Reserve	16,037	16,037	16,037
TOTAL FIXED COSTS	55,655	54,884	58,596
TOTAL OPERATING COSTS	92,014	95,848	97,795
Debt Charges	231,276	234,499	229,505
Less: Federal Mortgage Assistance	(145,056)	(115,008)	(115,727)
NET DEBT CHARGES	86,220	119,491	113,778
EXTRAORDINARY ITEMS			
Other		209	2,000
		209	2,000
TOTAL EXPENDITURES	$178,234	$215,548	$213,573
NET INCOME/(DEFICIT)	$31,258	$5,962	$7,833

GREATER VANCOUVER HOUSING CORPORATION

Tivoli Gardens - 151 Units
3501 Naples Way
Vancouver

	1990 Final Budget	1990 Actual	1991 Final Budget
REVENUE			
Rents	$1,140,067	$1,125,271	$1,215,093
Miscellaneous Income	12,960	14,676	12,960
TOTAL REVENUE	$1,153,027	$1,139,947	$1,228,053
EXPENDITURE			
VARIABLE COSTS			
Advertising	$525	$439	$800
Landscape Maintenance	18,000	14,799	15,450
Security	210	84	216
Garbage Removal	15,000	18,675	19,800
Other Supplies & Services	4,310	11,972	7,990
Repairs & Maintenance	29,930	26,387	27,597
Decorating & Cleaning	23,800	25,956	24,771
Utilities	17,980	17,152	19,557
Site Management	57,700	59,880	63,200
Provision for Doubtful Accounts	1,761	1,106	1,902
TOTAL VARIABLE COSTS	169,216	176,450	181,283
FIXED COSTS			
Insurance	9,800	10,090	10,200
Property Taxes & Sewer Rates	111,630	108,272	113,470
Management Fee	53,998	53,998	57,259
Provision for Replacement Reserve	85,104	85,104	85,104
TOTAL FIXED COSTS	260,532	257,464	266,033
TOTAL OPERATING COSTS	429,748	433,914	447,316
Debt Charges	1,154,299	1,154,299	1,154,299
Less: Federal Mortgage Assistance	(495,069)	(522,172)	(479,567)
NET DEBT CHARGES	659,230	632,127	674,732
EXTRAORDINARY ITEMS			
Minor Capital Improvements		521	
Major Repairs			10,000
Other	36,000	30,423	31,400
	36,000	30,944	41,400
TOTAL EXPENDITURES	$1,124,978	$1,096,985	$1,163,448
NET INCOME/(DEFICIT)	$28,049	$42,962	$64,605